

LEHIGH ALUMNI BULLETIN



LOOKING AHEAD AN INDUSTRIAL VIEW BY FLOYD PARSONS

Also - Walter R. Okeson · C. Max McConn · Dean Corsa · Sam Fuller · E. Robins Morgan

December 1936

DRAVO CORPORATION



GENERAL VIEW OF OPERATIONS

*Pittsburgh Shipyard of the Dravo Contracting Company
Neville Island, Ohio River*



WITH OUR ASSOCIATE AND SUBSIDIARY COMPANIES

S. P. FELIX, '03	W. P. BERG, '17	R. W. MARVIN, '27	E. V. TWIGGAR, '31
J. D. BERG, '05	E. H. ZOLLINGER, '18	PAUL G. STROHL, '27	ROBERT A. NISBET, '33
E. T. GOTTL, '06	F. J. LLOYD, JR., '23	G. W. FEARNSIDE, JR., '28	J. B. BAKER, III, '34
A. S. OSBOURNE, '09	B. E. RHOADS, '23	STANLEY B. ADAMS, '29	J. K. BEIDLER, '34
L. C. ZOLLINGER, '09	J. A. BISSINGER, JR., '26	E. M. BACHITELL, '29	W. A. ROBINSON, '34
V. B. EDWARDS, '12	H. CHARLES HESS, '26	C. W. GRANACHER, '29	L. P. STRUBLE, JR., '35
GEO. F. WOLFE, '14	W. W. ARMSTRONG, '27	R. P. KLINE, '30	P. K. WRIGHT, '36

GENERAL OFFICES:

DRAVO BUILDING, PITTSBURGH, PA.

Alumni Secretaries

I'VE been one so I know the breed. To be successful they must combine widely varying, almost contradictory, qualities. Without enthusiastic idealism they could not stand the job a year. Yet they must also be hard-headed, practical and at times a little cynical. Their work varies so greatly that these contradictory qualities are necessary. They jump from aiding an alumnus get a job or helping a luckless undergraduate with advice and a loan to selling heart throbs for the hard cash needed by the college if its budget is to be balanced or a new building secured.

Once long ago an alumni secretary noting that a great number of American colleges used as the music for their college hymns the tune to which Lehigh's Alma Mater is sung, decided to write a song entitled "Our Composite Alma Mater." He produced it at the Annual Convention of the Alumni Secretaries and it made a hit. In it he embodied in a cynical way the alleged attitude of alumni secretaries toward their alumni. The two lines ran

"Treat 'em rough and take their money
Let our motto be."

Not being **too** dumb, we all realized that many of our constituents more or less felt that **was** our motto and, while we laughed, it hurt. Because down in the heart of every one of us was a deep and abiding faith in and love for the alumni bodies we were trying to serve. At times when the pressure of thousands of "bosses" grew so strong that human nature rebelled, we cursed fluently

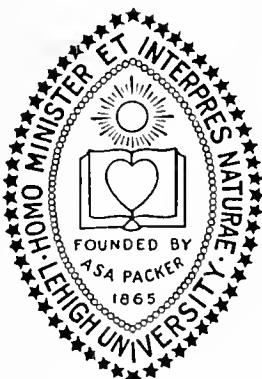
these alumni of ours who seemed to feel that an alumni secretary was responsible for everything that went wrong in the universe. But that was only a passing phase, for cordial letters, warm handclasps and words of encouragement from these same alumni soon dissipated our irritation.

The real joy in the life of an alumni secretary comes from the constant evidences of loyalty to the college of its alumni. This is what keeps him going and prevents him from throwing up the job. Just when discouragement settles down over him like a pall, when alumni dues are inadequate to meet the monthly expenses, when he feels he cannot write another begging letter there comes some splendid evidence of generous loyalty which puts him on top of the world again.

I'll never forget the Monday morning after a disastrous defeat by Lafayette when fresh from twenty-four hours of reiterated assurances that Lehigh could expect no more money from our alumni until she had a football team, I picked up from the top of my mail a short letter. Reading it carelessly, I suddenly stiffened to attention. Reading it again I realized that here was a Lehigh alumnus who desired to give his Alma Mater a **million dollars!** The clouds lifted, the sun shone,

the birds sang. Fervently and almost reverently I exclaimed "To Hell with the Lafayette game!"

WALTER R. OKESON,
Treasurer, Lehigh University.



LOOKING AHEAD

By

Floyd W. Parsons, '02

*Editorial Director,
Robbins Publications, Inc.*

and carrying; air-paint sprays that enable the worker to cover three times the area he could paint with brush; mechanical nurses to relieve tired mothers; and electrical apparatus to make it possible for men to kill more whales.

We have slot-machine photography. Pneumatic stevedores heave coal and wheat. Telegrams are dispatched and received by automatons. Thousands of miles of "electric eyes" that perform thousands of tasks with super-human precision; geophysical devices that are doing for mining what the X-ray has done for medicine; radiophone transceivers that make it possible for two automobiles touring cross-country to keep in continuous conversation with each other when speeding some distance apart; and sound-picture cameras for use in law offices in making talking contracts and drawing up wills. The late lamented Mr. Smith will read his will in person.

We have gone rapidly from a rule-of-thumb life to one that is chemically controlled. Even before milk leaves the cow today, the reign of the thermometer begins. Responsible dairymen permit no animal running a temperature to provide milk for human consumption.

Science has converted our bakeries into huge laboratories, the radio has taken the guess out of navigation, and new drugs make it possible for a person to remain conscious and converse with the surgeon, practically free of pain, while undergoing a serious operation.

New industrial plants produce ice that won't melt, soap that has no soap in it, gin made from crude petroleum, dynamite that will not freeze, and steel furniture having the appearance of wood. Laboratories are getting startling results in the production of artificial foods. Cornell University has gained the distinction of being the first to turn out synthetic sheep that never tasted grass or grain. On a diet of synthetic casein, cellulose, starch, vitamin concentrates and salts, the sheep grow rapidly to maturity, have excellent wool, and are free of most of the common parasites found in ordinary sheep.

Doubtless similar experiments will be extended first to other animals, and then to human beings.

Insects cost the farmers millions. Many crops cannot be chemically sprayed without serious damage, so this has caused the development of apparatus



LET no one waste time hanging crepe on this nation's future.

Life in America is a current, not a stagnant pool. It moves continually and rapidly, and we must move with it.

It seems only yesterday when I climbed to the top of a building in lower New York City and witnessed the first flight of one of the Wright Brothers who circled the famous Statue of Liberty in his queer looking machine.

When I graduated from Lehigh, the flickering movie that was used to rout patrons out of vaudeville theatres and make room for a new audience, was just then commencing to be shown.

The story of what has happened since that time is an astonishing recital of amazing accomplishments.

It is a tale of human progress that brought us thousands of automatic machines to do the labor that had been performed by millions of hands, the result being that man's capacity for work increased from 10 to 100 times what it was formerly.

Clever minds and hands, encouraged and motivated by the opportunities to win fame and success in a free land, created an endless flood of values that raised the standard of living in this country to the highest level ever attained by any people of the face of the earth.

The efforts so put forth gave us mechanical policemen; monster electric shovels which do the work of hundreds of human hands; automatic loaders and conveyors to do away with shoveling

with charged wires which now successfully attract and electrocute the pests.

A recent introduction was window and door screens that are so lightly charged with electricity they are harmless to humans and pet animals, but will destroy flies and mosquitoes.

The moving panorama of the present moment discloses new devices to help eyesight, steam turbine railroad locomotives, glass pajamas as soft as silk and as strong as linen, rubber soap wrappers, apricot and black cherry juices packed in cans, snapshots on silk and canvas soaked in a special emulsion, prefabricated houses made with glued wood, radio waves used to dry plaster walls, sponges made from wood, electric maps which answer questions, and a new process for sterilizing milk by passing radio waves through it.

A new electrically operated incubator for chickens is able to handle 70,000 eggs at a "setting." This apparatus is only a small part of a big new plant for the chickens get all the vitamins and do their laying without the assistance of roosters. The working day of the hen is controlled entirely by electric illumination, and if present indications may be taken at their face value, we are moving rapidly to a time when both chickens and eggs will be twice their present size.

The news of the present hour concerns new vitamin candies; the use of the gas given off by dry ice to put fruits to sleep and preserve their freshness by literally chloroforming the parasites that cause decay; the creation of a new kind of beer produced in California from prunes; and an apparatus that includes a camera in its make-up, thereby rendering it possible to set type by using a continuous roll of film instead of hot lead.

Dozens of new and valuable devices are being introduced each week. One automatically records incoming telephone calls when people are absent from their offices or homes. Another neutralizes cooking odors in the kitchen. A third makes possible the introduction of photographic bookkeeping to save time and promote accuracy. And a fourth eliminates undesired parts of any radio program. If only music is wanted, nothing else will be heard.

Some of the greatest advances in the years immediately ahead will result from finding new applications for things al-

ready in use, and from the conversion of what is now waste into products of value.

For example, the rattlesnake has long since been a dangerous nuisance. Now his poison is being extracted and given useful work, and the snake itself is being converted into an epicure's delight obtainable only in the top-priced restaurants. Several of the new snake farms are proving profitable ventures.

Ultra-violet rays are not new, but they are widening their value by giving a coat of sunburn to apples. This makes it possible for apples having a fine flavor but poor color, to compete with fruit that is naturally attractive but inferior in taste.

The electric eye is not new, but it is finding new uses daily. Soon every automobile will have an electric eye as part of its equipment so that at the coming of dusk the curb lights may be automatically turned on.

A big department store has equipped five windows with a "sidewalk ray" which lights up the window as each pedestrian passes. People stop and marvel because there is no receiving post across



In the homes of the wealthy, light will be diffused by large luminous masses instead of by small lamps.

Air-conditioning, like other major innovations in recent years, will cause the creation of a lot of new products. Already there is a new heat-absorbing window pane that cuts off 70 per cent of the heat rays of the sun. Tests indicate a reduction of about 20 per cent in air-conditioning bills through the use of this glass.

It is possible that the air-conditioning business will become as big a business as the automobile industry is today. The cost of having manufactured weather is now being reduced so rapidly that the little retailer and the home owner are discovering that artificial weather indoors is finally in reach of their pocketbooks.

Guests in several big hotels can now make their own weather in their own room according to their own personal desires.

It is interesting to note tests that show that 85 out of every 100 cases of hay fever and pollen asthma are relieved by air-conditioning.

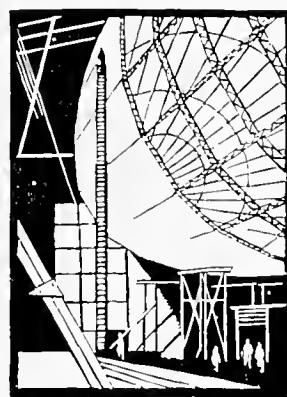
This new art will not only produce radical changes in our architecture, such as double-windows, but it will reduce the quantity of soiled goods in stores, cut down the illness among employees and multiply working efficiency.

It is even logical to infer that if every building on both sides of a long street were air-conditioned for summer, that street would be largely free of heat waves, because of the overflow through the street of cool, conditioned air from the buildings.

Not one person in a hundred today fully appreciate the importance of current scientific achievements. Recent experiments in a wide range of fields have produced veritable miracles.

Present disclosures indicate that apples may now be grown on their own kinds of trees, but get their nourishment from the leaves of a different tree. A Macintosh apple may be supplied food by the leaves of a Northern Spy, the result being a fruit of finer flavor and appearance.

It has been shown that pasteurization will do as much for wines and other beverages of low alcohol content as it is now doing for milk. This process appears to preserve the wines in all their flavor and sweetness.



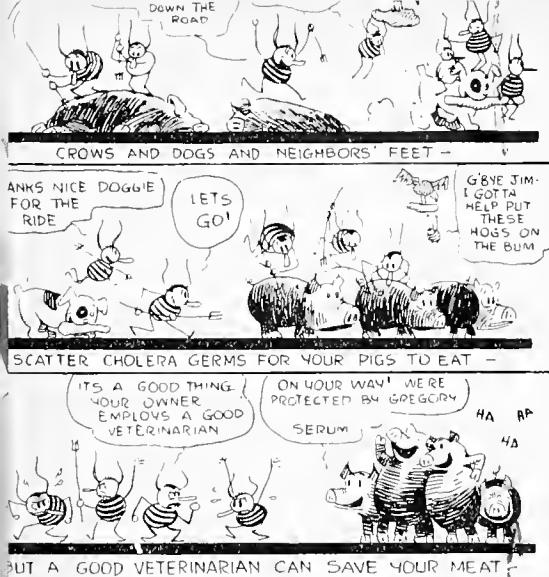
the sidewalk for the ray to fall upon. Both the light ray and the photo-electric cell are in the little black box in the corner of the window. The device is operated by the variation in the degree of light deflected from the clothing of the passer-by.

Startling advances are coming in the building field. A multitude of synthetic products will produce radical changes. Houses will be put up in a fraction of the time now required. A new method of using poured concrete renders it possible to have houses ready for interiors in 48 hours from the time erection of the house commences.

Enamored steel shingles will bid for a place in the new picture. So also will cotton canvas coated with fireproof paint and insulated with aluminum foil, to make it adaptable for partitions, awnings, walls, and even a roof that is fireproof and durable.

New systems of illumination will be designed to allow the appearance of rooms to be changed to suit existing moods. Orange lights will be turned on when there is a gay party, and violet lights will be used to promote rest or sleep, the desired effects being obtained instantly at the throw of a switch.





So-you NEVER heard of it!

These little piggies go to market-but cholera serum gets them there

that would prevent or cure hog cholera were based on the assumption that a certain bacillus called "bacilli suis" was the causative factor.

In 1904, Dr. M. Dorset of the United States Agricultural Department showed that the so-called hog cholera bacillus might or might not be present, but that the real cause of hog cholera is a filterable virus, i. e., an invisible micro-organism so small it is not retained by a porcelain filter which will prevent passage of all visible bacteria.

From the discovery of the filterable virus of hog cholera, progress was fairly rapid toward the development of a means of protecting against it by vaccination.

Briefly stated, in non-technical language, the theory and practice of protecting against hog cholera is based on the fact that hogs that have once recovered from that disease are thereafter

permanently immune to it. The disease causes the formation in the blood of protective properties, which for want of a better name are called "anti-bodies." However, the blood from a hog that has recovered from hog cholera is not ordinarily rich enough in anti-bodies to confer protection when injected into another hog.

In order to increase the anti-body content, from one to two parts of virulent hog cholera virus (blood from a pig sick of hog cholera) are injected under air pressure into the circulatory system of the immune hog. The hog being immune does not succumb but its system reacts to throw off the heavy charge of poison blood — and in so reacting develops in its blood a large excess of the protective anti-bodies.

The blood which is recovered from such a hog is freed of clot and fibrin by various special machines, the red blood cells which have no protective property are separated out, the remaining serum is pasteurized, preserved with $\frac{1}{2}$ per cent phenol, and after being actually tested on pigs for purity and potency, becomes the anti-hog cholera serum of commerce. In some years approximately a billion and a half cc. of this serum have been produced.

This serum, however, will confer only temporary immunity. The protection is passive and after a few weeks disappears as the anti-bodies are eliminated from a vaccinated pig's system. But if the pig which is desired to protect is given a small injection of hog cholera blood (virus) at the same time that it is injected with serum, it practically experiences an attack of hog cholera, through which the serum enables it to come without fatal results. Then having to all intents and purposes experienced an attack of hog cholera, it is thereafter permanently immune.

As I have said, the anti-hog cholera serum industry is a small industry. But it presents in miniature practically all of the problems of Big Business. It is highly competitive, and unfair trade practices cause us the same degree of trouble that they do in big industries. Rebates, secret prices, excessive commissions, untruthful advertising, allow-

(Continued on page seventeen)



By
DEAN CORSA, '05

So you didn't know there *was* such a thing!

Hog Cholera? Probably you have never heard of it. Neither had I until I had been out of Lehigh a half dozen years. But whether you ever heard of it or not, hog cholera has a very direct bearing on the cost of your breakfast bacon. The annual loss in the United States from this disease has run as high as \$65,000,000 in peak years—and that's somewhat more than pin money even in these Passamaquoddy days.

The anti-hog cholera serum industry is, I suppose, primarily interesting to you in a Ripley belief it or not sort of way in that it shows how far afield one of Skipper Eckfeldt's Mining Engineers can stray. But this industry, though small (total annual sales of 43 plants only some six million dollars) is the bulwark against the total destruction of all the hogs in the country. An adequate immediately available supply of pure potent anti-hog cholera serum is the nation's assurance that the price of bacon, hams and other pork products will not rise to prohibitive levels, due to widespread outbreaks of the highly contagious disease of hog cholera which, according to the United States Department of Agriculture, is responsible for 90 percent of hog losses.

It is reported that the elder Armour once remarked to a man who thought he had a cholera cure, that if it were not for hog cholera, hogs would increase so that they would not bring more than 2 cents a pound. The serum treatment has not brought that about because it is primarily a preventative rather than a cure, and the tendency is to put off treatment until disease appears in the neighborhood.

Hog cholera first made its appearance in this country over 100 years ago in Ohio, from which point it gradually spread all over the country until now no section where hogs are raised in numbers is continuously free from it. Control of this disease was greatly delayed by two things: first, a lack of available funds, and second, early investigations went off on a tangent as a result of a faulty premise.

All investigations and attempts up until 1904 to produce a biological agent

THE BUSINESS OF BEING

"UNCLE SAMMY"

"Aw gee . . . that guy's too young to be an Uncle . . ."

That was the first impression I made after being seen in person as "Uncle Sammy." It happened in a theater in Grove City, Pa.

After being on the air and incidentally "unseen" for two or three months, I was invited to appear in person at the theater. Upon arriving there, I was informed that the house was filled . . . with youngsters. Right then and there, I wished I were anything in the world but "Uncle Sammy." Suppose some youngster should let fly one of the well known

By

Sam Fuller, '31



"birdies?" What would I do? — Walk right off the stage and go back to selling Saturday Evening Posts.

To this day — I don't know why — but no "birdies" were forthcoming, and I'm still "Uncle Sammy."

Perhaps I should go back and offer some explanation as to "how come" this "Uncle Sammy" business — because radio announcing and the "labs" at Lehigh are somewhat distant from one another.

While in school, my engineering aspirations were diverted into that of business administration, but on graduating, I was hired as a timekeeper. In due time, that job was finished as were most jobs in '32. I then tried my hand at selling electric refrigerators. As the refrigerating business proved very chilly to me, I then went to selling Saturday Evening Posts with a group of youngsters every afternoon after school.

Shortly afterward, I was fortunate enough to meet a man already "on the air" and it was through him that I was put on the staff at KDKA. When the program director offered me the job of running a Kiddies Klub — I was nothing short of non-plussed. But jobs were few — and so the "Uncle Sammy" business.

During the past three years, I have en-

*Sam Fuller
at the "mike" and
below, a group of his protégés*

rolled over 160,000 girls and boys from nearly all over the world in the KDKA Kiddies Klub. Believe it or not, the roll call includes many "kiddies" from the class of 1934.

We hold meetings every afternoon at five o'clock and Saturday mornings at 11 a. m., but another great kick I get out of the job is reading the mail sent in. Through our short wave station WSXK, I have heard from and enrolled girls and boys in Africa, Germany, England, Ireland, Nova Scotia, Newfoundland, Alaska, Canada, Mexico, West Indies, Central America, South America, Austria, and from nearly all of the 48 United States.

There is a school in England which uses my theme song to open and close classes. And speaking of England, I was very surprised to hear from a Lehigh

graduate living there. Instead of wanting a membership card, he asked about the nurses in St. Luke's Hospital . . . which, by the way, wasn't discussed "on the air."

At the present time, many of the youngsters who listen to the program are corresponding with those living in foreign countries, who also are listening in. I read an Australian girl's letter over the air, giving her name and address, and shortly afterward she received nearly 500 letters from youngsters in the United States and Canada.

About a month ago, a man came to the studio and asked to see me. After talking with him a few minutes, I learned he was a chemist from a jungle plantation in Central America. He told me his three children were members of

(Continued on page twelve)

E verybody

A victory bonfire burned on South Mountain again on the night of Saturday, November 21 and it not only celebrated an 18-0 triumph over Lafayette but also the third successive defeat of Lehigh's rivals and the end of the best football season since 1914.

For in 1914 a splendid Lehigh team lost only one game out of its nine starts and since that time the best record was that of 1916 in which six games were won and two games lost until the past season when seven victories and two losses were chalked up.

Not that the victory wasn't expected. The enthusiastic crowd of Lehigh men that filled the gym for the pep meeting on Friday night proved that. The sell-out of tickets for the Lehigh stands indicated it. And the published odds of 8-5 pointed even more in that direction.

Top—Three times the crowd took off its collective hat and sang its victory refrain during the Lehigh-Lafayette game. (2) Pazzetti falls across the Gettysburg goal for what would have been the winning touchdown but the referee with his arms in the air was overruled and the ball called back. (3) Lou Pennauchi crashes across the goal-line for another one against Lafayette. (4) Expressions change in the second half to a wild delirium of joy as Lehigh repeated for the third year to make it a one-sided victory. (5) Pennauchi, Lehigh's strong man, breaks loose in the open field with teammates taking out the opposition to aid his gain. (6) The band goes into its famous Silver Goblet formation, a part of new maneuvers for this year.

But optimism was not too rampant as Walter Okeson, Eastern Football Commissioner and Glen Harmeson, head coach, pointed out that no Lafayette game was ever "in the bag" until the final whistle and that the Maroon could be expected to put up a stiff battle.

Indeed, in the first half of the game it began to appear as if an inspired Lafayette team would upset Lehigh's gridiron applecart but a spirited Brown and White rally in the second half clinched the honors.

Lehigh, 18; Lafayette, 0

The game began at 2:00 p. m. with Lehigh winning the toss and electing to receive. Going into an early kicking duel, Lafayette had the advantage of a strong back wind and Ellstrom's return punts fell short with the net result of a quick Maroon advance into Lehigh territory.

In a few plays the Leopards were on the Lehigh 16 and a passing attack was stopped when Lehigh's Bayer intercepted

and returned the ball to his own 11 yard line. Lehigh then kicked and Lafayette again opened up with aerials and a long pass, Zochowski to Kauzler was good to the 25 yard marker and Kauzler ran it 15 more yards before shoveling a lateral to Golden who crossed the goal.

The Lafayette cheers were cut short, however, when the play was recalled due to Zochowski's not being 5 yards behind the line of scrimmage when he heaved the first pass.

Again in the first half Lafayette threatened when a Leopard kick was fumbled by Pazzetti and recovered by the Maroon on Lehigh's 15 yard line. Lafayette pounded at the line four times but were short of a first down and lost on the Brown and White 6 yard line.

The end-zone kick by Berg was good to the 30 and shortly afterward Pazzetti intercepted a pass to block Lafayette's scoring hopes. One more fumble, this time by Pennauchi, gave Lafayette another chance for a touchdown in the second quarter when they recovered on Lehigh's 18 but successive off-side penalties and an interception by Bayer ended all chances for a score in the first half.

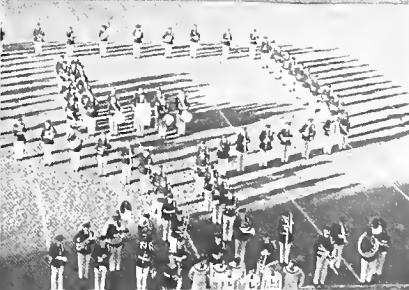
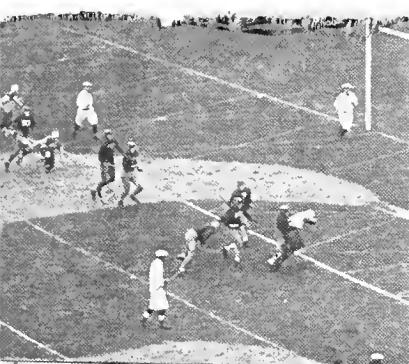
Lehigh fans who had seen Lehigh's tendency to break loose in the second half waited expectantly for the scoring thrust in the third period — and were not disappointed.

After the kick-off, Peet gained to the Lehigh 42 on a punt exchange and Pennauchi clicked for 11 yards to make a first down. Hoppock, on an end-around, gained 6 yards and Pennauchi added three before Bob Berg ran 5 yards to make a first down on the Lafayette 20 yard line. On the next play, Pennauchi went over for a touchdown. The conversion was incomplete. Lehigh, 6; Lafayette, 0.

Soon afterward Pazzetti took a Maroon punt on his own 27 yard line and ran it back 25 yards to start a series of line plays which took the ball to Lafayette's 8. Lafayette held Pennauchi and Ellstrom on two thrusts but Walton surprised with an end-around and crossed the line for a touchdown. The kick for point was wide. Lehigh, 12; Lafayette, 0.

The third score was made when Lafayette attempted a kick on its own 45 and Lehigh's tackle, Sterngold, blocked it. The ball bounced across the field where Hoppock picked it up on the run and crossed the goal for the last touchdown, standing. The conversion kick bounced off the upright. Lehigh, 18; Lafayette, 0.

Only once did Lafayette threaten again and then on a long pass, Zochowski to Sickles; the latter was in the clear for a touchdown but Lehigh was in hot pursuit and Bayer, the closest man made



takes his hat off!

The Lehigh rooters sang this old refrain three times as Lafayette was defeated 18-0 to end the best year since 1914

a diving tackle from the rear to bring Sickles down by the heels. Bayer again stopped the thrust by intercepting a pass that followed.

The game ended shortly after this play with Lehigh in Maroon territory but not in a scoring position.

Gettysburg, 10; Lehigh, 7

The Brown and White lost a 7-10 heartbreaker to Gettysburg on October 24 after the highly-rated Lehigh team had been held scoreless during the first half and had played such a lethargic game that they were threatened seriously by the primed Bullets.

In the second half Gettysburg advanced the ball quickly to the Lehigh 4 yard line with an aerial attack but the Brown and White held. Then Serfass, Bullet star, kicked a placement from the 18 yard mark to make the score 3-0 in favor of Gettysburg.

Lehigh started a temporary spree by recovering a punt on the Gettysburg 30 yard line but the Bullets intercepted a pass and on an exchange of kicks took the ball on their own 45 yard marker.

On the next play, Yevak of Gettysburg took a flat zone pass and, behind good interference, ran for a touchdown. Serfass converted the point to place Gettysburg in the lead, 10-0.

Then Lehigh went into the air with its ace passer, Mark Wertz, tossing passes. The first was a completed 50 yard pass to Walton which brought the ball to the Bullet 28 yard line and another to Nelson netted 9 more yards. On line bucks by Pennauchi a touchdown was scored and McNally added the point.

In the final four minutes of the game Lehigh recovered a partly blocked punt on the Gettysburg 42 yard line but lost the ball on an interception. Then a fumble brought it back to the Brown and White again on the 28 yard stripe after which a series of line plays brought it to the 2 yard marker. Here Pazzetti crashed off-tackle for what would have been the winning touchdown.

The wild delirium of the Lehigh stands was hushed, however, when the head linesman called the play illegal due to the backfield's shift being too rapid, and penalized Lehigh 15 yards. A Lehigh pass was grounded behind the goal line and the Bullets punted out of danger.

Although the Brown and White fought to regain their lost ground, the game ended before they could strike at the goal again.

Top—The pep parade stops to serenade Fem Sem on Friday night with Freshmen dressed in pajamas and signs prophesying the Lafayette rout on the following day. (2) Pennauchi starts one of the plays that stopped Rutgers for the first time in ten years. (3) The 120-piece Lehigh Band and the 37-piece Lafayette Band break formation after maneuvers at the beginning of the game. (4) The first half concerned Lehigh rooters; the gentleman with the cigar looks as though he may have had a bet and the two students are hoping for that second half score. (5) Behind expert blocking which characterized much of Lehigh's power, Knor Peet gets off a kick. (6) Both bands join in formation while the Lafayette color guard brings up the rear.

Lehigh, 19; Rutgers, 0

For the first time in ten years, the Brown and White waved above Rutgers when a hard-hitting team of Lehigh men stopped the Scarlet 19-0 before a house-party crowd on October 31.

Banking on the speed and deception of Captain Tony Naporano, the Rutgers men found they could make little headway against the Lehigh defense and spent most of their afternoon doing their best to keep the Brown and White from their goal line.

To Lou Pennauchi, Lehigh's plunging back, again went high honors for the Lehigh victory with George Ellstrom and Mark Wertz, backfield replacements aiding in the rout.

Lehigh threatened from the first kickoff when Rozell's boot was downed on the 1 yard line. After line plunges, Rutgers kicked out but Pat Pazzetti raced the ball back to their 26-yard mark and after an aerial attack failed, the Scarlet took the ball.

The first period represented a kicking duel from then on and it was not until the second frame that Sterngold, Lehigh tackle, recovered Naporano's fumble on the visitors' 29 yard line. Heller, senior halfback then took the ball through the line for four yards and Hopcock



followed it up with an 11 yard run to the Rutger's 15 yard marker.

Rutgers intercepted a pass, however, and launched their own sky attack which reached mid-field before the half ended.

The scoring began in the third period after Walton had recovered a Rutgers fumble on his own 44 yard line. Pennauchi and Ellstrom advanced the ball on line plays to the 13 yard mark and Wertz made a touchdown on an end run. Ayer, substitute for Pennauchi, converted the point.

Again in the final frame, Pazzetti took a Rutgers kick on the 40 yard line and ran it back 14 yards. Pennauchi smashed through tackle to annex 5 yards and Bayer surprised with a guard-around play to cross the goal standing.

The last touchdown came after Walton snared a Rutgers pass on their 16 yard line and Ellstrom advanced the ball on four running plays to score on a final thrust through tackle.

Lehigh, 26; Muhlenberg, 6

Hanging up the same score as last year, 26-6, Lehigh downed Muhlenberg on Nov. 14 by gaining 290 yards from scrimmage against 90 yards for the visitors.

While early season dope had Muhlenberg as a strong threat to Lehigh, the home team had little trouble in stopping their attack. Shortly after the game had begun, Lehigh's Heller kicked one into the "coffin corner" and the return kick by Farrell of Muhlenberg was run back to the visitors' 6 yard line by Pazzetti.

Pennauchi crashed through on three plays for a touchdown but the attempted placement was blocked. Lehigh, 6; Muhlenberg, 0.

Again in the same period Farrell was forced to boot from behind his goal line; his kick was taken at mid-field and Heller ran 11 yards through left tackle on the following play. Then an end-around crossed up the visitors for 13 yards netting a first down on the Muhlenberg 27 yard line. After a penalty, Walton took the ball on an end-around and crossed the goal standing. Heller's attempt at conversion went wide. Lehigh, 12; Muhlenberg, 0.

After wholesale Lehigh second-string substitutions in the second frame, Muhlenberg intercepted a pass and opened an aerial attack which reached the 10 yard marker. A final pass over the goal was completed but the receiver dropped it to nullify a touchdown.

Before the half ended, Lehigh again threatened after Fritz Bayer, on a guard-around, smashed through to the Muhlenberg 20 yard stripe. Then Pazzetti smashed through the line for 8 yards and with only time for one play, Ellstrom made 11 yards, one yard short of the goal, as the half ended.

In the third period Pazzetti ran back a punt to his own 35 yard line. Heller, Pennauchi and Walton then advanced the ball to the Muhlenberg 40 yard line where Ellstrom shook loose for a 37 yard run and was run out of bounds on the Mules' 5 yard line.

After a recovered fumble, Pennauchi

went across for another touchdown and Heller converted the point. Lehigh, 19; Muhlenberg, 0.

The visitors' scoring came in the last period after Farrell had raced 30 yards to the Lehigh 14 yard line and, after a gainless play, heaved a long touchdown pass to Gutekunst. The kick after touchdown went wide. Lehigh, 19; Muhlenberg, 6.

Near the end of the game Lehigh had the ball on its own 34 but Pennauchi broke through and fought his way past the secondary, dropped the ball, recovered on the run, and continued for 48 yards before he was tackled. Heller was stopped on the next play but Pennauchi again took the ball on the visitors' 18 and smashed across the goal. Heller kicked the extra point to end the scoring. Lehigh, 26; Muhlenberg, 6.

What Price Rose Bowl?

From Stanley R. Saunders, '31, of Pontiac, Mich., came the following summary of the 1936 grid season which seems to be a fitting close for Lehigh's year:

"What possible attraction can Washington be in the Rose Bowl when they lost to Minnesota who lost to Northwestern, who lost to Notre Dame, who lost to Pittsburgh, who lost to Duquesne, who lost to Detroit, who lost to Villanova, who lost to Bucknell, who lost to Penn State, who lost to Lehigh?"

The cumulative margin would give Lehigh some 90 or 100 points superiority."

The Business of Being "Uncle Sammy"

(Continued from page nine)

the Kiddies Klub and "listened-in" every evening. When I went on the air that day, I had the pleasure and thrill of saying hello to his kiddies in Central America and telling them their daddy was sitting in the studio with me in Pittsburgh.

Once a week, KDKA broadcasts messages from friends and relatives to men in the far North. These messages come into the studio from all over the world and contain quite a variety of subjects. One night, I was assigned to the broadcast and everything was going nicely until I came to a letter directed to a man "listening-in" in the Hudson Bay region. I opened the letter and started to read. It went something like this ". . . the crops are all in and everything on the farm is set for winter. And by the way George, I just painted the outhouse red." Believe me, that was one time I was glad we didn't have television.

The most exciting time I have had was during the flood in Pittsburgh last March. KDKA, for many days, was the only radio station "on the air" in Pittsburgh. Things were happening — and happening fast, and our announcers were kept mighty busy. We broadcast appeals for help and directions for collecting and

delivering food, clothing, and necessities to persons in distress. As our studios are located in downtown Pittsburgh, the building, like all others in the area, was without heat and light, and our broadcasts were made in hats, coats, and gloves by lantern and candle light. However, our inconveniences were lightened by the many things sent in by listeners—ranging from candles to a complete chicken dinner, delivered in a fireless cooker.

One particular afternoon, "Uncle Sammy" was put very much "on the spot." Our news department edited all the bulletins broadcast and gave them to the announcers to be put "on the air" immediately. Many times the announcer had to go on "cold" — without previously reading the announcement. Although I was off duty at the time, one of the announcers dashed into the office and gave me an "important" announcement which he said was to go on the air immediately.

I took the bulletin and started talking into the "mike." As I got farther along, I realized it was a little different, and before I finished — I knew I had given directions for digging latrines in the back yard — while all my pals were in the control room were splitting their sides laughing. For weeks afterwards, I was known as the "outhouse special."

Many people have asked which one of the various jobs on the air is the most difficult. I believe that of news reporting is by far the hardest. At the present time, I am assisting in giving news broadcasts for a gasoline company. In news work, the announcer is always on the spot, more so than ever. Few people agree on the pronunciation of odd words and odd names and many times the news reporter runs across names and words which are not to be found in any dictionary.

In most cases, his guess is as good as the "listener's" — but — the reporter cannot talk with the "listener" and has no way of explaining or vindicating himself.

Yes — work today "on the air" is thrilling and interesting — and I believe it will become more so as "time marches on." My hope is to keep in step with this march.

Those New Scholarships

(Continued from page five)

gifts or bequests the income of which could be awarded to deserving and able young men. The older universities, like Harvard, Yale, and Princeton have many such scholarships. Of this kind we have at present the Wilbur, Ray Sands Nosstrand, Fred Mercur Memorial, and Henry H. Haines Memorial Scholarships; to which has just been added the Scranton Scholarship, "provided through the gifts of friends of Lehigh University," for graduates of the public high schools of Scranton. As time goes on we should come to have more of these; some of which might well, like the new scholarships at Harvard, cover maintenance in full, or in part, in addition to tuition,

THE Placement YEAR

BY

E. ROBINS MORGAN

Director, Lehigh Placement Bureau

Many alumni out of employment, and seniors "all dressed up with no place to go!"

This is the condition under which the Lehigh Placement Bureau, sponsored by the Alumni Association, was established in the summer of 1932 under the able direction of John A. Brodhead, '07.

With this brief statement regarding the inception of the Placement Bureau, the historical treatment of the subject ends, for the object of this little article is to let the alumni observe the operation of the Bureau informally, rather than to relate its history. So let me take you through the year, touching briefly a few of the activities with which we are most concerned.

Suppose we begin with what happens in the fall! Dear old Alma Mater opens wide her arms, embraces all her sons and, having placed her kiss upon each brow, soon discovers that more than twenty percent of her offspring have made a bee-line for the Placement Bureau to demand their share of the work which the Bureau can produce for them.

Some of them need work enough to earn every cent of their expenses; some must earn a large portion; some a small portion; and still others just a little to help out. Every one of them means business, as any attempt to dismiss them lightly would soon prove.

How are these problems solved? They are not all solved but a lot of them are. Through the cooperation of the faculty and many of the University's friends in the community, it is possible to provide a fair amount of work for the boys.

About \$2500 per month is provided by the government's National Youth Administration program, under which we have more than 200 boys working at present, on projects about the campus and in the community. The Placement Bureau administers this entire program, including the selection of the workers from the total list of applicants, assigning them to their supervisors, settling the difficulties which arise, regulating the earnings so that the maximum allotment shall not be exceeded, making up the payroll, and acting as paymaster. This continues from September to June.

Senior Placement also continues throughout nearly the entire year, with the curricular heads cooperating closely with the Bureau. In the fall, about 250 seniors are registered and many of them aided in analyzing themselves to deter-

mine the kind of work for which they are best fitted. As early as November this year, the personnel officers began to arrive to interview seniors, which is, we hope, an indication that senior placement will be even more lively than last season when over 60 representatives visited the campus and held over 800 interviews.

During Senior Placement, our office is like a beehive. An average of nearly thirty boys come to the office per day for help besides those who come to be "interviewed." Tom wants to know why he isn't getting to first base with the interviewers. Dick wants further help in determining the kind of work for which he is fitted, if any. Harry wants to know whether he should accept the offer of the National Stuffed Shirt Company or the Iron Pillow Company of New Jersey, Incorporated. What the other 200 odd want to know would take too much space to tell.

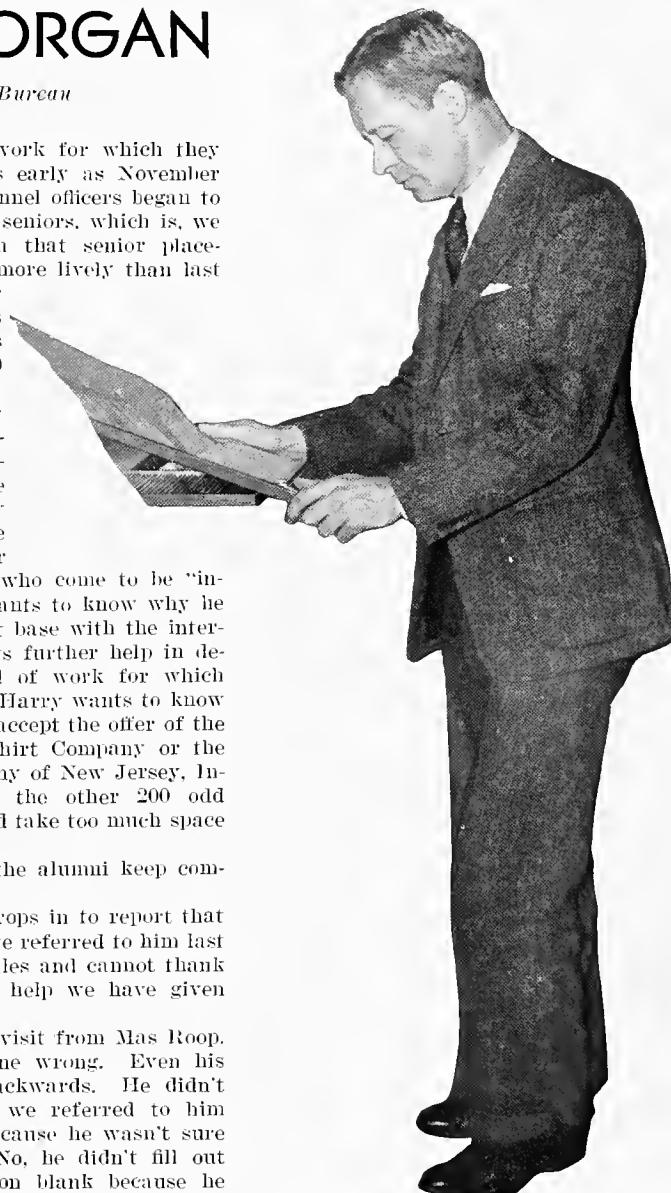
All year round, the alumni keep coming!

Henry Kedline drops in to report that he landed the job we referred to him last week. He is all smiles and cannot thank us enough for the help we have given him.

Then we have a visit from Mas Roop. Everything has gone wrong. Even his name is spelled backwards. He didn't apply for the job we referred to him two months ago because he wasn't sure he could qualify. No, he didn't fill out the new registration blank because he doesn't want to limit himself to any definite kind of work. He wants any kind of job "for which he is qualified by training and experience," but he doesn't want to tell us what his training and experience is because that may limit him to only a few jobs. If some employer would only ask for anyone to do anything, Mas would get the job, but they always ask for someone to do something.

Almost every day at least one or two alumni drop in; sometimes there are half a dozen or more. There is not space to tell you about them all, but I do want to tell you about Ed Timball before I stop.

Ed dropped in the other day and said



that he has not been able to connect with a job since the Simplexible Engineering Works let him out in 1932, after twenty odd years of service. At first it seemed like a joke to him, but there wasn't much left after the crash of 1929 and it is nearly all gone now. This game old fighter isn't licked yet, even though the odds are against him. Ed told me this but I noticed that his teeth were gritted and his eyes did not have the same sparkle that they used to have. Down in his heart Ed knows the answer. Some day I hope I can tell you that Ed drove over to Bethlehem to tell me, with a twinkle in his eye, that those answers are not always correct.

LEHIGH CLUBS

DETROIT

On November 10, an informal get-together of the Detroit Lehigh club was held at the Intercollegiate Club to discuss plans on improvement of meetings and the stimulation of greater interest in the meetings which are held here. Arrangements are already under way for a meeting early in 1937.

On November 18, the local Lehigh and Massachusetts Institute of Technology clubs met for a dinner with beer at Joey's Stables and a trip through the Great Lakes Steel Corporation's mill at Ecourse, Mich.

This was the first time that the Great Lakes mills opened their doors for an evening visit and our combined clubs feel highly honored in having this courtesy extended to them. B. R. Rebert, '12, carried a lot of weight in making this visit possible.

R. J. Purdy, Secretary.

SCHENECTADY

The annual fall meeting of the Lehigh Club of Northern New York was held at Jos. Endries' Place on October 22 with twenty members present. The club extended its welcome to Gallagher, Hopcock and Healy from the class of 1936 and also to W. H. Waltz, '22, and J. Monroe Clark, '35, new-comers to this section.

Beer was on tap early and a delicious turkey dinner was served at 7 p. m. A short business meeting followed in which it was decided that dues would be billed separately from the expense of each individual meeting and would be set at a dollar per year, payable in October.

The fund raised by these dues is to be used to defray the expense of a dinner for those undergraduates of Lehigh who visit Schenectady on the annual inspection trips. Then President Ryan

read a letter from the Alumni Association proposing a tentative plan for broadcasting the Lehigh-Lafayette game from the University's short-wave station. The plan met with much favor but later when it was decided that leased-wire telephones would be used, the club found that too few of its members would be in Schenectady to merit the expense.

After the meeting was adjourned, Hopcock and Healy led an interesting and lively discussion of current happenings at Lehigh and when the football question had been settled a poker game got under way with President Ryan again victorious.

The meeting broke up at about 11:30 with plans for the next meeting to be called shortly after the Christmas holidays.

Nelson Y. Cox, Secretary.

PHILADELPHIA

The meeting considered by Philadelphia men as "the best one of them all" was held November 19 in the "Maine Woods" of Old Bookbinder's with seventy-eight members present.

Determined to "Beat Lafayette" before the team had a chance to do it on the following Saturday, those present heard talks by H. "Bosey" Reiter, W. R. Okeson, N. A. Kellogg, "Billy" Cornelius, Bob Adams, Billy Sheridan, Fred Nonnemacher, Head Coach Harmeson and his assistants, Elmer "Red" Sleight, Marty Westerman, and Paul Calvert.

The meeting began with beer on tap in the late afternoon which was followed by a shore dinner at 7 p. m. punctuated by songs and cheers. At the conclusion of the speeches, most of which prophesied a Lehigh victory but did not underestimate Lafayette, moving pictures of the Rutgers game were shown.

The meeting was under the guiding spirit of "Berny" Bernstein, secretary of the club and "Pop" Shepherd, who was designated as a committee of one for all arrangements, and was conducted in the traditional Philadelphia style with even the souvenirs having the tradition of a "Blue Coal" background.

The 44th Anniversary of the Club will be celebrated at the Bellevue-Stratford Hotel on January 22 with the committee in charge to be chosen at the December 11 Board meeting.

The club also wishes to announce that regular Lehigh luncheon meetings have been instituted at Bookbinder's on 15th Street, second floor. The luncheons will be held on Monday of each week.

TRENTON

The annual Middle-Three dinner of the Trenton Lehigh club was held at the Trenton Country Club on Tuesday evening, Nov. 17.

Representatives from Lehigh, Lafayette and Rutgers clubs were present and the guest speakers included Dean McConn, Walter Okeson, and Wm. Cornelius from Lehigh; Rev. J. Lawrence Pitt, president of the Rutgers Club, and Prof. Richard Reager from Rutgers; "Eskie" Clark, director of physical education at Lafayette and William Moore of the Lafayette club who acted as toastmaster.

Arranged by Lehigh's genial "Pop" Pennington, the regular meeting was as enjoyable as ever and was prefaced by an entertainment of Lehigh visitors at Mr. Pennington's home in Trenton. Other Lehigh and Bethlehem visitors included A. C. Dodson, John W. Maxwell, and R. F. Herrick.

BUFFALO

Forty-seven members of the Western New York Lehigh Club with ten Lafayette men and nine guests took part in a meeting at Schreiber's Brewery on the afternoon of the Lehigh-Lafayette game, Nov. 21.

The purpose of the meeting was to hear a play-by-play account of the Lafayette game from Easton by telephone loudspeaker and while some technical trouble did arise, the men were able to follow the progress of the game and enjoy the Lehigh victory.

Despite the crowded look at the brewery, there was really plenty of room notwithstanding elbow-bumping and elbow-bending. The beer had all the zest of brew from a contented brewer and the Dutch lunch was abundant and sumptuous.

As this meeting was such a marked success, the Buffalo group is planning its future meetings carefully with the next scheduled to be a Victory Dinner on Friday, December 18 with head Coach Glen Harmeson and "Bosey" Reiter as guest speakers. Details can be learned by phoning President Wm. H. Hunton.

CHICAGO

One of the largest meetings of the Chicago Lehigh Club this fall was held November 21 at the Medinah Club with an attendance of 42, made up of 34 Lehigh, 5 Lafayette men and two guests.

The purpose of the meeting was the celebration of the Lehigh-Lafayette game which was held that day and which was heard by leased wire telephone direct from Fisher Stadium at Easton. The party was considered a great success by all who attended and there were many who expressed the hope that the same idea could be carried out next year.

Many of the group stayed on after the game to "get acquainted" and the party broke up at a reasonable hour though it is possible that a few of the younger married alumni might have had to make explanations for missing dinner engagements.

It was decided that the club should have an informal get-together within a month at which time officers will be elected. Final details on this meeting

THE bulletin PRESENTS...



EDWARD O. WARNER

To horsecars, farewell.

DISTRICT SALES MANAGER Edward O. Warner, '94, of the National Malleable and Steel Castings Co. in Philadelphia, began his career with the Hartford Street Railway where he helped to replace the horse cars with electric street cars.

Later he spent two years inspecting locomotives for the Japanese government under Joseph U. Crawford of the

Pennsylvania lines who was instrumental in building the first railroad in Japan.

Warner resigned from this work in 1898 to join the Latrobe Steel & Coupler Co. in rebuilding their Chicago plant; afterwards he entered the sales department of the company in Philadelphia.

In 1909 he accepted his present position and has been located there since that time. He was married in 1904 and has two children, Lyman and Elinore, the former being a Lehigh man in the class of 1928. Mr. Warner is a member of Sigma Chi and numbers among his clubs the Union League, Merion Cricket, Duquesne of Pittsburgh, Engineers of Baltimore, and the New York and Pittsburgh Railroad Clubs.

MANAGING EDITOR Walter F. Rench, '91, of the Simmons-Boardman Publishing Co., Philadelphia, is a successful writer but first a railroader.

Joining the Pennsylvania Railroad as a supervisor soon after graduation, Rench served in this capacity until 1917 and had an active part in the North Philadelphia improvements of 1913-14. As author of three technical books, however, he was soon drawn into the publishing field as Managing Editor of Railroad Engineering and Maintenance Encyclopedia.

Three things stand out in his career: he has always had a job in his 45 years of service; he has had the fortitude to



WALTER F. RENCH

First a railroader.

change from a railroad life after 25 years of background, to an editorial career and the will to change his political beliefs.

His books on railroading problems have gone into several editions and have been translated into foreign languages. He is mentioned in "Who's Who in Engineering" and has a high rating in the Railway Engineering Assn. Mr. Rench is married and has six daughters.

can be had from Arthur Lehr, secretary of the club.

NEW YORK

The Board of Governors of the New York Lehigh Club met on Tuesday evening, Nov. 24 for a dinner and business meeting and elected Carl A. Baer, '08, to take the place of H. F. Campbell who died recently, and Wm. H. Bokum, '25, to succeed C. J. Parker, '88, who resigned as a member of the board due to poor health.

Additional action taken, according to a telegram from Wm. W. Mills, Jr., included a discussion of the placement bureau. The board also went on record congratulating Head Coach Glen Harmonson and his team on the splendid football record. Executive Secretary Wm. A. Cornelius was also called upon to outline activities at the University.

The next social meeting of the club is being arranged for the evening of December 16, and the club will meet on Thursday, Jan. 21 at 6:30 p. m. at the Midston Hotel with A. S. C. E. members.

CLEVELAND

The Cleveland Lehigh club held a special Lehigh-Lafayette game meeting on November 21 to join Buffalo and Chicago in the leased wire "broadcast" of the game. Actually, it was the Cleveland club that first became interested in the project and encouraged its adoption.

The turn-out included 27 Lehigh and eight Lafayette men with everyone enjoying the affair. The reception was fine and the entire broadcast was received without interruption. All were pleased with the announcer who gave an excellent running picture of the game.

The meeting was held at the Cleveland

Club and the accommodations were splendid. Pictures of the meeting are expected for the January issue of the BULLETIN.

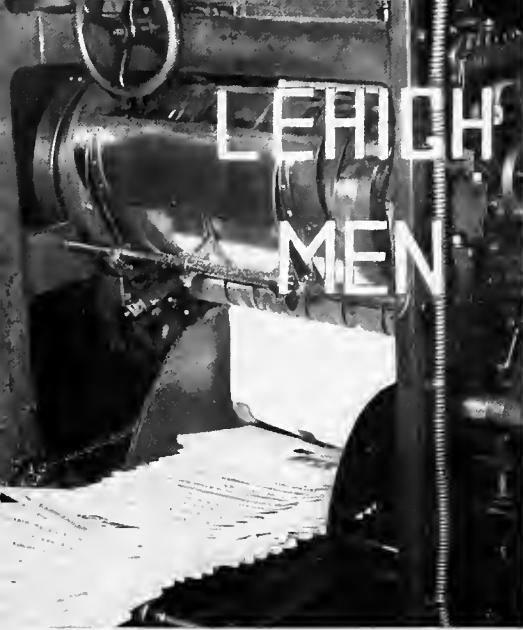
The sentiment seems to be unanimous for a repetition of the affair next year and Mr. Krick, president of the Lafayette contingent in 1937. The fact that the Maroon rooters were looking for a defeat decreased their numbers.

NORTH JERSEY

An alumni smoker on the eve of the Lehigh-Lafayette game proved to be an effective manner by which alumni could be injected with enthusiasm for Lehigh and her athletics. The smoker was held at the Newark Turn Verein on November 19.

Two prominent newspaper sports writers were the guests of honor; Gus Falzer, sports editor of the Newark Sunday

(Continued on page seventeen)



In the NEWS

Delbert Clark, writing in the *New York Times Magazine* says of Morris L. Cooke, '95, head of the Rural Electrification Administration, "In that task he has, in a little more than a year, said little and accomplished much, with a small expenditure of taxpayers' money and a maximum of peaceful negotiation. Working quietly and with an effectiveness that has surprised many who at first thought of rural electrification as just another boondoggling project. Mr. Cooke has succeeded in arranging contracts between power producers and consumers in a large number of states. His practice has been to act as intermediary and to drive neither the producer nor the consumer."

* * *

In line with increased dividends to stockholders of many of the large corporations of America was that declared by the General Electric Company of over \$21,000,000 to top the year-end payments. Owen D. Young, Hon. '26, is chairman of the board.

* * *

Coincident with the opening of the all-important New York Auto Show was the intensive work of the Automobile Manufacturers' Association, the group which directs many of the involved problems of the highly competitive business of selling cars. As president of the association and a member of the Board of Directors, Alvan Macauley, '92, has had a leading role in its activities.

* * *

Speaking before an audience at the New York Book Fair, Dr. Samuel A. Tannenbaum, Hon. '32, declared that the texts of Shakespeare's plays are still "hopelessly or almost hopelessly corrupt" in many places, despite all the work of the 18th, 19th and 20th century editors and scholars.

* * *

Re-elected as a director of the Pennsylvania Salt Manufacturing Company, Samuel D. Warriner, '90, is continuing his duties as President of the Lehigh and New England Railroad and as Chairman of the Board of the Lehigh Navigation Coal Company.



Prominent was the name of Professor Sydney M. Brown, of the department of history at Lehigh, in the account of the dedication of a new altar in St. Thomas's Chapel, New York. Among the many gifts to the church to be used in decorating the chapel were figures of Mary and John, obtained in France and presented by Professor Brown, according to the *New York Times*.

* * *

In an open letter to President Roosevelt, replying to F. D. R.'s letter to engineering schools, President C. C. Williams of Lehigh declared that "blunderbuss gunning for political game demolished in some cases industry's highly developed economic and social agencies." In further defending technological progress, he said "To imply, as your letter seems to do, that 'unemployment, bankruptcies and relief' derive from technologic advances instead of from weakness in the present lack of confidence in the future, political and financial institutions, is likely to befog rather than to clarify any analysis of the causes of our economic distresses."

* * *



FOX

Through the Bethlehem *Globe-Times* was announced the retirement of Dr. Charles S. Fox as head of the department of romance languages. He relinquished his position the day after his 68th birthday, having served

31 years as a teacher at Lehigh. J. M. Toohy

has been named to the post as acting head of the department.

* * *

A granite exedra memorial has been dedicated at the United Charities Home, Hazleton, Pa., in honor of Mrs. Eckley B. Coxe, widow of Eckley B. Coxe, trustee '71-'95, and donor of the Coxe Mining Laboratory and fund at Lehigh. Known as "the angel of the hard coal fields," Mrs. Coxe, from 1869 to her death in 1926 carried on organized charity work among the people in that section of the state.

* * *

Neil Sullivan, '27, representing the Philadelphia Country Club, has again been named for the number one ranking of the Philadelphia district in squash finals. In scoring over his teammate, Don Strachan, Sullivan took the top position which was gained mostly on the strength of his winning the Penn State title. Otherwise, Sullivan and Strachan were about on par for 1935-36 according to the *Philadelphia Inquirer*.

* * *

Upon Nelson J. Leonard, Chem. '37, has fallen this year's choice as Le-

high's competitor for a Rhodes scholarship. It will be Leonard's hope to follow Milton Meissner, '34, who won a scholarship in 1934 and is now at Oxford. The distinction of being a candidate alone, according to Dean Palmer, is "the highest honor a university can pay to a student."

* * *



LEONARD

In listing gains for Bethlehem Steel, Eugene G. Grace, '99, president, has announced that a larger net profit was realized by the corporation in the quarter ended on Sept. 30 than in any quarter since 1929. Mr. Grace further explained that the corporation was now at 75 per cent of capacity as against 69.5 per cent in the third quarter.

* * *

Among appointments to the Bethlehem National Youth Administration as announced by Harrisburg was that of Joseph Schmuk, '35, who has previously acted as a teacher to the position of County Time Recorder.

* * *

Again planning their radio concerts for the year, directors of the Lehigh Glee Club announce that they will be on the air over the Blue Network of the National Broadcasting Company (WJZ) on Saturday, December 5 from 4:45 to 5:00 p. m.

They will be heard over the Mutual chain (WOR) for a half hour on Saturday, February 6 at a time as yet undetermined and over the Columbia network (WABC) some time in February or March. The date will be announced later.

* * *

Capitalization of the knowledge of American presidents is seldom realized but to Dr. George D. Harmon, associate professor of American history, has come \$1,000 as fifth prize in the Philadelphia Inquirer's president contest.

* * *

MADDOX



H. Randolph Maddox, '21, has recently been appointed as general commercial manager for the Chesapeake and Potomac Telephone Company of West Virginia, according to the *Parkersburg Sentinel*. Mr. Maddox succeeds A. B. Haneke and will have his offices at Charlestown, West Virginia.

Lehigh Clubs

(Continued from page fifteen)

Call selected some rare stories associated with the selection of athletes and then keeping them in—as scholars. The other was Fred Bendell, sports columnist of the Newark Evening News, who kept the boys in the aisles instead of their seats.

This was the first time that alumini in this section had the opportunity to meet these journalists whose columns have appeared before us for the past twenty years. Both were unanimously elected as honorary members of the association.

The new officers of the New Jersey Club are, president, Joe Hunoval, '31, Irvington; vice-president, F. W. Bickley, '18, Newark; treasurer, Mayn Northrup, '22, Roselle; secretary, Chick Casselman, '33, South Orange, and sergeant at arms, V. A. Kildare, '36, of Bayonne and Newark.

Old Lehigh songs were played by our own styled Lehigh Alumni Rambleers—after a few beers they even risked "jamming" a bit. They were Ed Oswald, '28, Bill Helmstetter, '28, Jay Picking, '28, and Bill Towers, '33. Bob Baker, '28, who could not come because of business, even promised to bring his own piano and Bob Diener pinch hit at the eleventh hour.

At these meetings no stiff shirts are permitted and speeches are limited. The groundwork has been laid and the club now has 140 who turn out at each meeting. Plans are being considered for a wrestling meet to be held in Newark, or a dinner or a dance in the latter part of February. Watch for announcements, mark the date, make a date, relax and see old friends at the next meeting. In addition, participate in the election of a board of trustees who are to be nominated and elected at the next meeting.

So — You Never Heard of It?

(Continued from page eight)

ance of wholesalers' discounts to those not actually functioning as wholesalers, and pure cussedness have from time to time resulted in price wars that were no less savage because they happened to be on a relatively small scale. This industry was one of the first to apply for a code under NRA and AAA—and, although I was born and brought up a Republican, candor forces me to admit that that code probably saved the serum industry from committing hari kari.

It is very possible that the anti-hog cholera serum industry will be used as a sort of industrial guinea pig. After the blue eagle was knocked off his perch, a new agricultural act was passed, and Section 56 of that act authorizes a marketing agreement between the Secretary of Agriculture and the serum producers. This agreement, which has been tentatively approved by the secretary and a large percentage of producers, makes no reference to wages or hours of labor. It arranges for the issuance of "orders" covering non-signers doing an interstate business, the selection of producers to form a control committee, the public

posting of prices with a three day lag, classification of buyers, uniform sales invoices, prohibits various unfair trade practices, exempts signers from the anti-trust laws, and provides for the termination of the agreement at the end of any calendar year by 75 per cent of the producers. On the other hand, the producers agree to have on hand on May 1 of each

Why Not Lehigh?

Why Lehigh University was not included in the list of institutions offering engineering courses accredited by the Engineers' Council for Professional Development is an inquiry which has come to my attention from three different alumni and which probably occurred to others. It is a natural question in view of the recognized standing of Lehigh in engineering education and in view of the recent origin of E. C. P. D.

Lehigh did not appear in the list for probably the same reason that Harvard, the University of Pennsylvania, the Naval Academy and others did not, namely, that Lehigh had not applied for accrediting by this body. Some disagreement with early policies of E. C. P. D. was the major cause of the delay in making application. However, owing to changed conditions, Lehigh now is taking steps toward obtaining accreditation with E. C. P. D.

Engineering at Lehigh has long been fully recognized, of course, by the old standard accrediting agencies, such as the Middle States Association, the North Central Association, the Southern Association, the Association of American Colleges, the Association of American Universities, state licensing boards, etc. Lehigh is quite willing to cooperate in any proper way that promises improvement in the present rather chaotic accrediting situation.

C. C. Williams.

year, an amount of serum equal to 40 per cent of the previous year's sales, the Secretary of Agriculture has broad authority to cancel the marketing agreement on short notice, to set aside a fixed price if he determines that such price is inequitable or leading to an abuse of the privilege of exemption from the anti-trust laws, and can veto any ruling of the producers control committee or remove any member of that committee.

Obviously the government maintains the whip hand as long as this agreement is in force. If the government uses its power wisely, and the producers do not abuse the privileges granted them, this marketing agreement will probably continue in effect and may serve as a valuable experiment from which larger industries may profit. On the other hand, if the government makes arbitrary rulings, or the producers try to take an unfair advantage, the marketing agreement, in spite of its very real advantages to all concerned, will go out the window.

Looking Ahead

(Continued from page seven)

Gland injections are making cows give more milk.

Zinc, copper and various other metals not only have proved their value for plant disorders but when applied to the soil, they enter into the composition of fruits and vegetables to such an extent that these foods acquire a health value which adds substantially to their worth.

Equally important is the fact that various kinds of fruits can be converted into exotic perfumes that rival the scents from the most fragrant flowers.

The tomorrow that is dawning for the people of America is beyond comprehension. The wonders of yesterday and today will seem small in comparison with the achievements of coming years.

Very soon delivery trucks will keep in touch with their dispatchers in department stores. Many automobiles and buses will have radiophones. Pocket radios will be available for pedestrians. Radio prophets visualize salesmen talking with their offices and executives keeping in touch with their desks.

In a nearby day practically all automobiles will have receivers that will pick up messages delivered along the highways by thousands of roadside antennae which will broadcast advertising gossip, call attention to interesting sights, and warn motorists concerning dangers ahead.

The opportunities we face are tremendous. We will have new methods and devices to eliminate unnecessary noises, speed the growth of farm products, get the values out of sea water, lower the prices of miracle-performing gland extracts, push ahead with the chemistry of wood, perfect television, develop new uses for oxygen in industry as well as medicine, and harness the energy in sunlight.

Already sunshine motors are operating successfully in laboratories. Before long we will be using a cheap photo-electric roofing material to collect and utilize huge amounts of solar heat now wasted all about us. We may reasonably expect that some of the rays of the sun that fall on the roof of a home will supply electricity to take care of many of the family's needs.

In the centers of our large cities we will have wheel-shaped landing fields for airplanes, most of them founded on large buildings as pillars.

Floating laboratories will dot our coasts. One of these off the coast of New Jersey now processes 7,000 gallons of sea water a minute. A plant producing 100,000 pounds of bromine a month in this way could operate for 392 years before exhausting the supply of bromine in a single cubic mile of ocean water.

In this field of effort it is interesting to consider that a cubic mile of ocean contains \$11,000,000 worth of gold if the water is near the surface, or \$600,000,000 worth if it is deep down. Such facts foretell large-scale laboratory experiments that may upset the present monetary systems of nations.

(Continued next month)

Personals

OBITUARIES

W. H. Mushlitz, '77

William H. Mushlitz died at his home in Evanston, Ill., on July 1, 1931. No additional details are available.

S. W. Russell, '81

Samuel W. Russell, pioneer settler of South Dakota, died at his home in Sioux Falls on August 15 after a lingering illness.

After leaving the university, Mr. Russell went to the west where he was employed by various companies as a cattle buyer. While employed in this capacity, he became much interested in the Indian tribes in that region and was adopted into one of the Sioux tribes in recognition of his service to the redman. He was noted as a collector of Indian relics.

Mr. Russell was later employed by the Mutual Life Insurance Company of New York, and served as district manager for that firm in the Black Hills from 1906 to 1914 when he was transferred to Hawaii.

He was a member of the Masonic Order and belonged to the Episcopal Church. He also belonged to the Chi Phi fraternity.

His widow and a sister survive.

T. J. Donahoe, '83

Timothy J. Donahoe, A. C., died at his home in Roselle, N. J., on November 7, after an illness of two months. He was 74 years old.

Shortly after his graduation from the university, he became active as a metallurgist and chemist in mining exploration work in the Adirondack mountains. He had been retired for five years.

W. S. Davis, '08

William S. Davis, C. E., former city engineer for Lebanon, Pa., died suddenly at his home on July 1, while preparing for an outing with his family.

Born in New Oxford, Pa., on November 22, 1866, Mr. Davis prepared for Lehigh at the Reading public schools and at Carroll's Institute in Reading.

After graduating from Lehigh, Mr. Davis took a position with the Philadelphia and Reading Railroad Co., and was one of the engineers who planned the railroad station at Allentown, Pa. During his years of service with the railroad company, he participated in some notable projects. One of these was the construction of the Reading's first steel bridge over the Susquehanna river at Harrisburg in which he had a prominent place on the engineering staff. He was also the supervising engineer in the construction of some of the spurs of the line during the development of the Reading system,

He went to Lebanon about forty years ago to take a position with the Lebanon Valley Street Railway Co., just after the city line had been built. He was the engineer in charge of the extension of the line to Myerstown, Annville and Palmyra. He was also a member of the firm of contractors which constructed the Hershey Traction Co. line.

About 1920 he was associated with Mangan and Pugh, Pottsville contractors in highway construction in that territory and in Lebanon. It was through that connection that he became acquainted with the Lebanon city engineering department and shortly thereafter accepted the position of assistant city engineer. He continued in that capacity for about seven years. Several years later he was elected city engineer and filled the position for eight years.

He was identified with the Masonic fraternity, and was a member of the Lebanon Rotary Club, and an elder of St. John's Reformed Church.

His widow, three sons and a daughter survive him.

H. H. King, '90

Henry H. King, for many years an architect for the firm of Ritter and Shay, died suddenly on October 13 in Philadelphia. He was 69 years old.

Born in Bethlehem, Mr. King prepared for Lehigh at Ulrich's School and at the Bethlehem Preparatory School.

Surviving are his widow, two daughters and a son.

A. D. Robb, '00

Alexander D. Robb, president of the Niagara Electric Service Corporation and vice-president and general manager of the Buffalo, Niagara and Eastern Power Corporation, died in Memorial Hospital, Niagara Falls, on October 27, following an operation for appendicitis.

Born in Kimberton, Pa., Mr. Robb prepared for Lehigh at the Phoenixville High School. In 1903 he began his career as mechanical inspector of the Canadian Niagara Power Company, Ltd. Three years later he was appointed assistant superintendent and later superintendent of the Canadian Niagara Power Company. The Falls Power Company acquired his services as superintendent in 1917. In 1921 he became assistant to the president of the Niagara Falls Power Company. Four years later he became vice-president of the company and in 1933 he was elected vice-president and general manager of the Buffalo, Niagara and Eastern Power Corporation.

He also was president and director of the Canadian Niagara Power Company, the Niagara Junction Railroad, Niagara, Lockport and Ontario Power Company, vice-president and director of the Niag-

ara Falls Power Company and Buffalo General Electric Company and the Towanda Power Company.

He was a member of the Niagara Club, the Buffalo Athletic Club, the Buffalo Launch Club, the Lotos Club of New York and the Delta Phi Fraternity.

His widow and two sons, Edward and Alexander, Jr., survive.

P. H. Smith, '02

Paul H. Smith, E. E., died on November 23, in Detroit. No details as to cause of death are available at this writing.

Smith, who had been president of the Detroit Lehigh Club, and prominent in Lehigh affairs in that district, was sales manager of the Combustion Engineering Co. at the time of his death.

A son, Philip H., Lehigh '39, survives him.

Ray Wilbur, '02

Ray Wilbur passed away some time ago.

Hyman Goldman, '21

Hyman Goldman, Ch. E., died suddenly at his home in Wilson, near Easton, Pa., on October 23. Mr. Goldman's death followed more than a year of suffering from the effects of a nervous breakdown. He was taken ill in Washington, D. C., where he had spent about two and one-half years as secretary to Representative Francis E. Walter.

Born in Easton, Mr. Goldman prepared for Lehigh at the Easton High School and won honors both at high school and at college.

For several years after his graduation from Lehigh he followed his profession as chemist at Niagara Falls. He returned to Easton to be associated with his father and brother in waste material business and later spent a year at the University of Pennsylvania Law School. He then registered as a law student in the office of Representative Walter and was taken to Washington as Mr. Walter's secretary after his election to Congress in 1922.

For three years prior to going to Washington, he was assistant coach of football at Lehigh. In 1923 and 1924 he played professional football with the Gilberton team in the Pennsylvania coal regions.

He was a member of the Pi Lambda Phi Fraternity.

His father, a sister and three brothers survive.

J. H. Dorsett, '25

The Alumni Office has been notified that James Howard Dorsett died some time ago. Details are not available.

MARRIAGES

Class of 1924

Rev. G. L. Grambs to Miss Myrtle Wood in St. Peter's Episcopal Church, Clifton, N. J., on November 9.

Class of 1925

William J. Behr, Jr., to Miss Mary M. Edmonton on October 16 in Montclair, N. J.

Class of 1928

Frank E. Cooper to Miss Emma Lockhoff in Elkton, Md., on November 22.

Class of 1930

G. C. L. Barnes to Miss Wilberta Buswell of Lumberton, N. J., on June 19.

Class of 1932

David P. Nichols to Miss Dorothy Klein, on November 11, in Huntington, L. I., N. Y.

Class of 1933

W. S. Kistler to Miss Sara Hoeffer on September 15 in New York City.

BIRTHS

Class of 1928

To Mr. and Mrs. E. W. Diener, a daughter, Irene, on June 13, at St. Barnabas Hospital, Newark, N. J.

Class of 1929

To Mr. and Mrs. E. C. Gerwig, twin daughters, Marjorie Ann and Jane Frances on May 22.

To Mr. and Mrs. H. W. Holt, a son, Henry Whiting, Jr., on June 27 in Pittsburgh.

Class of 1932

To Mr. and Mrs. C. C. Seabrook, a son, Roger Mock, on September 6, 1936.

Class of 1931

To Mr. and Mrs. L. F. Keefe, a daughter, Patricia Elizabeth, on July 27.

PERSONALS

Class of 1877

Henry S. Jacoby was an instructor in civil engineering at Lehigh under Professor Mansfield Merriman from 1886 to 1890. He was then called to Cornell University where he became the head of the department of bridge engineering. Fourteen years ago he retired from active service on account of age and removed to Bethlehem, but in 1930 took up his residence in Washington, D. C., since he had been spending his winters there engaging in research in the Library of Congress.

He is in the habit of spending the months of July and August at Chautauqua, N. Y., where instruction, entertainment and recreation are combined in a manner that is almost ideal. Summer schools which are now so extensively established at our universities had their origin at Chautauqua in 1879. In 1878 the modern movement in adult education had its beginning when the Chautauqua

Literary and Scientific Circle was organized. This Circle still continues its work throughout the world and the presence at Chautauqua of so many persons from various sections of the country, who have taken its four-year course of reading influences the program of the Assembly, the literary activities of the summer community and its delightful social life.

Professor Jacoby joined the C. L. S. C. in 1878 while employed in the topographical work of the Second Geological Survey of Pennsylvania. He devotes much of his time at Chautauqua to literary and social activities which have their center at the C. L. S. C. Alumni Hall, where more than fifty classes have their headquarters. He represents his class of 1882 (the pioneer class) on the Board of Trustees of the Alumni Association, and maintains the annual course of reading.

One of his avocations is genealogical investigation. If any one is sufficiently interested to see how an engineer treats that subject he may find the book in the University Library.

Class of 1889

Wm. A. Cornelius, Ex-Pinch-Hitting Correspondent

Third and Cherokee Sts., Bethlehem, Pa.

At the Lehigh New York Club dinner, which was a hummer with Okeson as toastmaster and a bunch of football coaches as speakers, I learned the true definition of a 'pinch-hitter.' He is a person selected to do a better job than the regular incumbent. So as I am sure I cannot do a better job than a regular correspondent, I am now *Ex* pinch-hitter and for the January issue, we should have a regular correspondent. However, I am glad of the chance to write copy for this issue because it gives me a chance to wish all the members of the class of '89 a most "Joyful Christmas and Happy New Year."

Oberly, who spends his summers in Easton, has gone back to his home at 906 Loucks Avenue, Scottsdale, Pa.

Carman is now at Holly Chambers, 33 Washington Square, West, New York City.

Lambert's office is at 407 Citizens Savings Bank Building, Pasadena, Cal.

McLeod sends in a new address at 21 East 55th Street, Kansas City, Mo.

Thought I would have to wait until my grandchildren came along before getting another of the Cornelius tribe in Lehigh, but my son Jack decided to go after a master's degree in bacteriology, so again there is a Cornelius on the roll.

Frazier writes he is travelling but mail addressed to the University Club in New York will be forwarded to him. Hope his travels bring him to Bethlehem. We surely would be glad to see him.

Class of 1890

H. A. Foering, Correspondent
Bethlehem Trust Bldg., Bethlehem, Pa.

We once more bow in meek reverence as we sorrowfully record the passing of

King in October. Our original class roll, once totaling about 150, with all accessions, is now down to 37.

It is a source of delight to have, every now and then, a letter from one of those who rarely can return to our "Get-Togethers." Here is an extract from a letter from dear old Pratt:

I noticed in the current BULLETIN that you have at last heard from Martin. I am so glad to hear of him. Probably you did not know that he and I, together with his roommate while in Prep School—Palmer, who was drowned in the canal during his Freshman year—were inseparable friends at that time, and the last time I knew of him he was superintendent of a big mill at Steelton.

He says that he will be with you at the class dinner before the big game next week. Ask him if he still plays the organ with one finger; also, if he remembers me. Wish I could be there, but can't make it—might, if New Deal had been downed, but not now. Ask Martin what has become of Litch.

Litch is apparently lost.

Class of 1891

H. T. Morris, Correspondent
67 W. Market St., Bethlehem, Pa.

Forstall retired from the vice-presidency of the Philadelphia Gas Works in charge of distribution and is now vacationing in Colorado having taken the Burlington "Zephyr" instead of Trans-continental aeroplane. He has asked me to contribute for the next few months to his column in the BULLETIN and I am delighted to do this in order to add to his vacation freedom.

F. S. Camp informed the alumni office that he is now professor of social studies at Teachers' College of Connecticut at New Britain.

G. F. Chandler retired from the U. S. Patent Office service as Primary Examiner of Division 56 — one of the chemical divisions. For several months he will be at 4243 44th St., San Diego, Cal.; and later will be at home at Silver Spring, Md.

R. R. Hillman, one of the consistent and continuous workers for the class, has sent his personal record for the 50-year book, and a very interesting editorial for the same, from his domicile at 47 Norwood Ave., Buffalo, N. Y.

James A. McClurg has sent his record for the book from Edgeworth, Pa., where he is still active with the American Bridge Co. I was pleased with the accompanying very kind letter.

Frank H. McCall sent a cheery letter and his record for the book from 3261 Bailey Ave., Buffalo, N. Y., where he is still active keeping machinery going.

F. K. Morris has maintained the traditional loyalty of his Philadelphia forbears to the G. O. P. notwithstanding fifty years residence at Paces, Halifax County in the "Old Dominion."

Edwin Lefevre, who went to Italy last July to improve his health, wrote me in October from Salso Maggiore, Parma, that his cure is progressing and that he expects to be home by Christmas.

William T. Patterson sent his record for the book so that he can leave his Ambler, Pa., home for his annual visit to Florida with a clear conscience. De-

ember 1st is his date for leaving the cold and frozen North.

As I write, there are 28 men from whom I am awaiting data for publication in their pages in the book. I hope each one of these upon reading these lines will make it his first business of the New Year to send me the fullest possible record asked for on the form I sent him in the spring.

Kindest Christmas and New Year Greetings to all of the 49 who still remain in our class on earth.

Class of 1894

*T. G. Empic, Correspondent
Box 772, Wilmington, N. C.*

From time to time, I am getting from the office of the BULLETIN some changes of address, which I take is in connection with the new Directory we hear about, and these changes are captioned "for inclusion in your next class letter."

If ever there was a work of supererogation this would seem to be it, as this would be little needed information. However, word has come from several for divers reasons.

Shepherd tells me of the terrible upset that occurred in Pennsylvania early this month, which by now is a matter of common knowledge. Hallock has no fault to find with things, as he views them through the sparkling air of Pittsburgh. Roller takes time out from his aerie on Broadway to tell me "Beiny" is a "spherical" person, and the "Spherical" one thinks he has about put the BULLETIN plan over by which each one of us receive the BULLETIN. Incidentally, he did not do it without work.

Some of the boys would appreciate a bit of scandal and if you have any juicy bit, send it in.

Class of 1896

*W. S. Ayars, Correspondent
409 Engineering Bldg., Columbia Univ.
New York City*

During the month I've heard from Cully, from Lee Marshall, from Rosie Thorn and from Moriz Bernstein; and I've had the pleasure of seeing Billy Dickerman up here at Columbia. In fact, I coaxed him into coming up here and giving a mighty fine talk to a group of my students. Rosie is still carrying on at the old stand, keeping the Pennsylvania Railroad on the map, and assures me that he is still as keen as ever on the boat hobby.

Which served to remind me of the adventure in, I think, the very early spring of 1895, when Rosie and Tommy Clinton had built a craft they called a canoe, and in spite of the chilly gales and swollen streams of early March, took this masterpiece of naval architecture on a trial trip to Allentown. So long as they paddled her in the comparatively calm waters of the canal, all went well, but having reached Allentown, and got well out into the dam just above the old bridge, they probably unfurled their

sail and started on a real cruise. But something went amiss, and an extra sportive gust of wind suddenly capsized the boat. The crest of the dam wasn't very far away, and all hands abandoned the ship and swam to shore. The boat went over the dam, and two very cold and wet navigators arrived back in Bethlehem via trolley. Their luck held, however, and neither came down with pneumonia.

You will be glad to know that Cully is now sufficiently recovered from his long and painful battle with the streptococcus bug to go daily to work and much of his old pep is also back. Cully reports having heard recently from Dave Williams, Palmer and Henry Shriver, all of whom seem to be happy and prosperous, though I don't think one of them has ever got back to Bethlehem to a reunion; if they did, it must have been on one of the few occasions when I did not.

Pop Pennington wrote not long ago, announcing his intention to go to Easton for November 21 in order to witness the encounter between Lafayette and us. He suggested I might like to join him, but I didn't. I have observed that every time I have gone to one of these classic affrays, my Alma Mater invariably got badly smeared. This year and last year I stayed away; and behold the result! Which reminds me that, listening to a radio sports commentator last evening—I think it was Ted Husing — he mentioned that there would in all probability be a new football coach at Lafayette this year. I wonder why?

A letter from Lee Marshall this morning tells me of having heard from Joe Siegel, now on a trip to the West Coast and that Joe, writing from Seattle says: "the strikers out there are mighty large and powerful." Joe also stopped off in Pittsburgh on his way west, and paid a very enjoyable visit to Lee and his family.

Next week is the annual meeting of the A. S. M. E. here in New York and I am looking forward to seeing many one-time colleagues, amongst whom are sure to be several Lehigh men. At any rate, I rarely miss seeing Arthur Klein and Fred Larkin. And there being no further business before the house, this meeting is hereby adjourned.

Class of 1897

*J. H. Pennington, Correspondent
Box 159, Trenton, N. J.*

*Lady dear, if fairies may
For a moment lay aside
Cunning tricks and elfish play
'Tis at happy Christmas-tide.*

"Juvenile" you shout. Quite true, and the reason is that I recently received at least three letters — one from Bill Ayars and two from 1906 men — in which I was indirectly warned of approaching senility by frequent reference to the word "age." I searched my Webster and Standard from B to Z and could find no such word. I doubt its existence. Exploring further, I went right through the Look-

ing Glass with Lewis Carroll and found the fairy poem, of the year 1867.

The good fairy to whom I feel most grateful is Dr. Williams who so generously provided Edgar Shields with uniforms to increase the band to 130 members. I have been advocating an increase to 120 bandmen for a year, in the little postscript below the '97 column. Thus my innate modesty, noticed by you in our undergraduate days, has been generously rewarded. I must now find another P. S.

For the first time in sixteen years, I recently met a '97 man at a Lehigh game on a foreign field. In fact, I sat beside him. This gentlemen, I feel well justified in using the appellation, attended the Lafayette-Lehigh game at Easton this Fall and is none other than Teece Yates. Teece and I, the only '97 men in a congregation of 12,000, had a delightful time criticizing the stupid plays of the game, and in executing them properly, though verbally, to our own satisfaction, at least. Teece lugubriously bemoaned the apparent lack of progress in tackling. He seemed profoundly affected by the loving manner in which the tackler encircled his victim's neck. Teece called this "old stuff" and asserted that it was practiced in every South Bethlehem parlor in his college days. He was in all of them. It is now called "necking."

This was the first game of football that I ever saw Lehigh win on Lafayette's field. There were no old people present. Some were so young as to revert to first principles, and extract sustenance from a bottle. Bernie and Sammy Dessauer were the youngest present.

There is no class news of importance. I am thankful that the Grim Reaper, of whom John Sheppard speaks, has not visited any of us; neither is there occasion to record any class marriages — or births. So we will all probably plod along as usual, "Helping lame dogs over stiles" and doing our bit to make the world happier upon the approach of the gladsome Yuletide, which comes so fast upon itself that we think one is no sooner gone than its successor is upon us.

You may remember my quotation in this column in May, 1930, from Elizabeth Akers "Make Me a Child Again, Just for Tonight." This is the season for such thoughts and none of us need be ashamed of surrounding ourselves with the youthful atmosphere of that last Christmas season of our college career, back in 1896, when we went home for the last time as students, forty years ago. So, again to the Looking Glass:

*Thus forgetting tricks and play
For a moment, Lady dear
We would wish you, if we may,
Merry Christmas, glad New Year.*

P. S. — The bands needs two sonsaphones.

Class of 1898

*H. M. Daggett, Correspondent
60 E. 42nd St., New York City*

Several very interesting letters have been received recently in response to

STEELED AGAINST WEAR



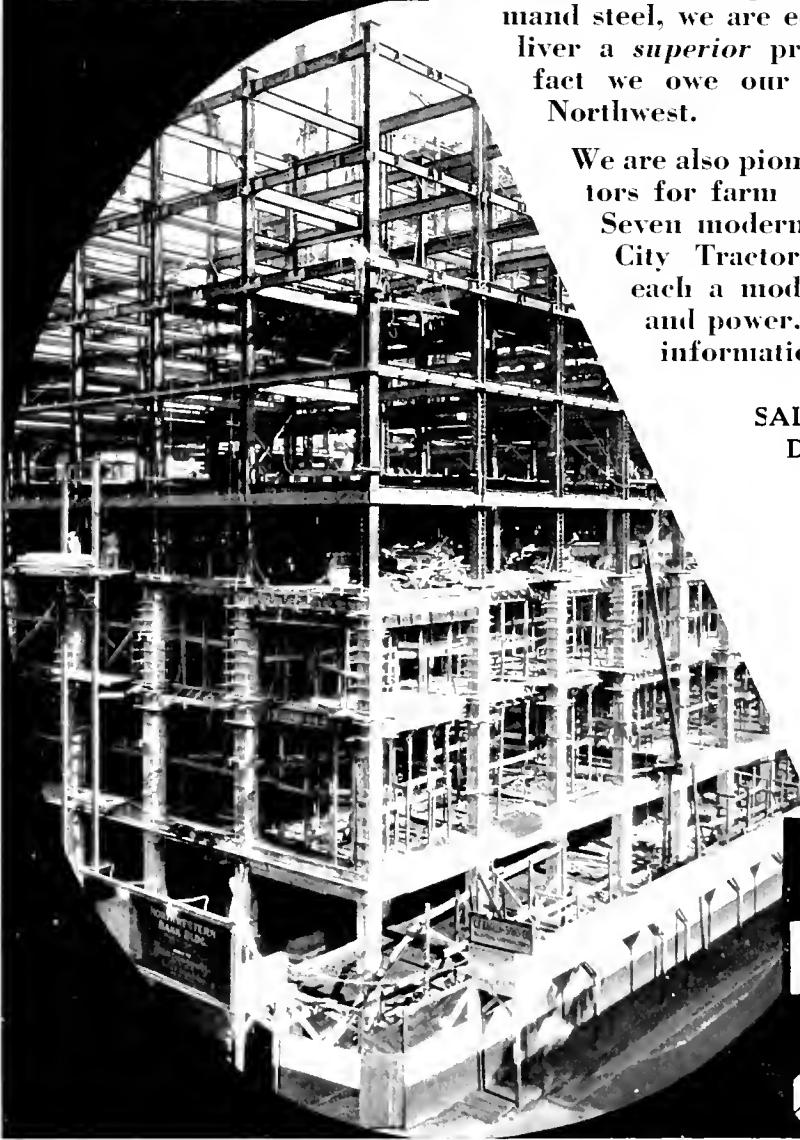
For bridges, skyscrapers — or whatever structural specifications demand steel, we are equipped to deliver a *superior* product. To this fact we owe our position in the Northwest.

We are also pioneer builders of tractors for farm and industrial uses. Seven modern types of MM Twin City Tractors to choose from — each a model of "balanced weight and power." Write us for complete information.

SALT LAKE CITY, UTAH
DENVER, COLORADO
LOS ANGELES, CALIF.
SAN FRANCISCO, CALIF.
GREAT FALLS, MONT.

MINNEAPOLIS-MOLINE
POWER IMPLEMENT COMPANY
W. C. MacFarlane, '04, President
Minneapolis, Minnesota

MINNEAPOLIS-MOLINE
STRUCTURAL STEEL



my letters about our class reunion in 1938. There are eight men who are keenly interested in developing interest and enthusiasm to the end of making this reunion a memorable occasion. One of these men, whom we call a "Captain," will contact certain men assigned to him and do his best to get these men interested. We are expecting almost 100% attendance, and any '98 man, who thinks he can escape, is mistaken. Plans are being made which will be so attractive that no one can resist. "Davy" Childs has consented to compile a new class book 1898-1938 and you may expect him to ask you for all sorts of information, which should be freely given. Such a book will make a treasured keepsake. No doubt some of you have ideas that you would like to see developed. They will be most welcome. We want all the ideas possible, so please send me anything you think or hear of.

Class of 1899

A. W. Klein, Correspondent
43 Wall St., Bethlehem, Pa.

Wright Youtsey's address is Lexington Pike, Fort Mitchell, Covington, Ky.

J. A. Singmaster sends in the following concerning himself: President of Singmaster and Bryer, (Metallurgical and Chemical Engineers) 420 Lexington Ave., New York City. Residence 2 Durham Road, Brouxville, N. Y.

At the Lehigh-Lafayette game played November 21, I looked in vain for any '99 men. I suppose some of the class were present but I did not see them. It was a darned good game and very satisfactory in its outcome, so I hope some of you fellows were on hand.

May I again ask that you send in news items concerning yourself. It is difficult for a man to realize how interesting his classmates find such items. I am reliably informed that the Class Personals are the most popular portion of the BULLETIN. So please do your share to enable '99 to hold up its end in this matter of personal interest items.

Class of 1901

S. T. Harleman, Correspondent
110 Wesley St., Bethlehem, Pa.

The following letter from T. C. (Ting Ling) Yen reached me just a few days ago, and here is what our famous Chinese alumnus has to say:

Dear Sam:

I am so overwhelmed with the success of our 35th Class Reunion and the many heart-to-heart messages received from the fellows since then that I hardly know how to begin and what to say. Time goes by so rapidly that this grand occasion is again the turning over of another page of our life history but many surprises are still in store for our future reunions and may there be many of them.

Your interesting letter of June 13 and the description in the LEHIGH ALUMNI BULLETIN more than repay me for the souvenirs I sent to our Alma Mater and the members of the class.

It was very thoughtful of my classmates, in spite of their busy duties, to write me touching letters bubbling with anecdotes of our college days, ever fresh in our minds. We certainly would give a lot to live over those days of yore.

when we snared our pleasures and sorrows as well as the recurring celebrations with our monthly checks.

Thanks to the generosity of "Prex" Girdler and the cancellation of Prohibition you made good use of the cup I sent you. Yes, "real pain for sham friends and champagne for real friends."

"Bill" Cassin sent me a photograph taken in 1901 of the crowd at the Hefty Club, frame and all; it makes me feel young to look at those handsome faces, including my own! Peck took all the trouble to send me a complete Dictaphone set which is being delivered to my other office. In the course of time you will hear my voice. Whether you prefer to hear me instead of see me I will leave to you and am not asking for flowers either. Charles Enzian and Dutch Stauffer also wrote me refreshing letters. I will try to send them individual replies but should I fail (who does not fail now and then in these days?) they have to excuse me for the simple reason that I am travelling between Nanking and Shihchiachuang, a vivid demonstration of perpetual motion.

While not wishing to dwell on politics for I do not want to be a politician, I merely wish to say that our country is again going through a serious crisis and every man, woman, or child is expected to stand by to save the country from a calamity which we shall never allow to beset us, never.

I just got in yesterday on some business but will have to leave in a few days. You certainly have a wonderful mentality because the brass cigarette jar was meant for Mrs. Sam but I was stupid enough to have omitted to mention it when I rushed the loving cup across the Pacific. I am so glad that all the souvenirs reached Bethlehem just in time for the celebration.

Well, Sam, I must close this letter but remember that however badly this letter is framed up you may rest assured that my heart goes back to all of you and to Lehigh.

With very cordial regards to you and Mrs. Sam,

Sincerely yours,

YEN TE-CHING.

Howard L. Bronson, formerly located in Georgia, is now at Dalhousie University, Halifax, N. S., and his home address is 10 Studley Ave., Halifax, N. S.

W. A. (Bill) Ehlers is now residing at 3020 Porter Ave., N. W., Washington, D. C.

L. D. (Kid) Menough now lists himself as a retired general contractor, 450 W. Philadelphia St., York, Pa.

T. (Tim) Burns, has resigned as general manager of the Lackawanna, N. Y. plant of the Bethlehem Steel Company and is now attached to the staff of Vice President Bent of the Bethlehem Steel Corporation. We believe that Tim is going to spend the winter in the Bahamas, in the endeavor to completely recover from a recent illness. Tim received an honorary degree of Bachelor of Science from Yankton, S. D. College. If our memory serves us right, Tim came to Lehigh from Yankton College.

A. W. Mans is now living in Hazleton, Pa.

S. P. "Sneeze" Heitshu spent the summer in Europe.

Seen at the Lafayette game at Easton on November 21 were Kid Menough, Brick Gearhart, Charlie Enzian, Cad Evans and wonder of wonders, none other than E. F. Musselman, upon whom we had not laid eyes in over 35 years! Musselman said that he is a manufacturer of electrical fixtures and has been located in Newark, N. J., for 25 years. Needless to say it was a happy reunion, helped naturally by the 18-0 score in favor of the brave lads wearing the Brown and White.

Class of 1903

E. R. Morgan, Correspondent
Lehigh University, Bethlehem, Pa.

R. S. Cunningham
309 N. New St.,
Bethlehem, Pa.

October 13, 1936.

Mr. C. E. Marks
52 Lefferts Rd.,
Yonkers, N. Y.

Dear Charlie:

Since you left college in 1903, I have neither seen you nor heard from you, although I understand you have been in Bethlehem a number of times. You might look up my name in the telephone book and give me a ring the next time you come.

Why don't you come back to Lehigh on Alumni Day sometime and meet some of the fellows you knew in the old days? You should begin saving your nickels now, to prepare for our 35th year reunion in 1938. To make sure that you will know how to behave, I suggest that you come back for training next June and become acquainted with the manner in which reunions are conducted.

Charlie, I would like to see you and have a chat about old times and old cronies. Do you still get the Horseman and read it before and after meals?

Not having seen you for so long, and never having met any of your family, I don't know what to write you that would interest you. If you come to a reunion, I am sure we can have an interesting time talking over our college escapades and relating to each other what has happened since we parted.

Yours,

DICK.

Charles E. Marks
52 Lefferts Road,
Yonkers, N. Y.

October, 20, 1936.

Dear Dick:

It was a great pleasure to receive your letter a few days ago. I have thought of you a great many times but like most of us, I am a poor hand at letter-writing.

I have been in Bethlehem several times during the past eight years, but only twice has my stay been longer than two or three hours.

Eight years ago Charles, Jr., entered Lehigh and was graduated in 1932. At the graduation exercises I met Mrs. Cunningham but you were out of town so we missed each other.

Nearly thirty years of the time since graduation has been spent with the lighting companies of New York City; twenty-three years of that time in the Sherman Creek Generating Station. I came to this station while it was being built, saw it go through the period when it was the best on the system, only to be superseded by stations of later design, and now the time is approaching when some of the latest gadgets will be installed which will make it as good as any of the later stations.

It has been interesting to watch the development of the apparatus installed and the innumerable ways that trouble can happen to it. Some say that power house work is just routine—a repetition day after day—but don't you believe it. Things never happen the same way twice and it keeps one busy being prepared to handle the next trouble without loss of time.

Won't you write and give me an outline of what you are doing, and the next time we are near each other we will make it a point to get together.

With best regards to you and Mrs. Cunningham and wishing for an early reunion of our own,

Yours,

CHARLES E. MARKS.

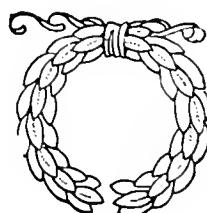
Class of 1904

H. J. Hartzog, Correspondent
Wilbur Trust Building, Bethlehem, Pa.

Recently I paged through our Class Book; you know that very limited edition of our Senior year, just to reassure myself that I really did graduate in a sizable class. Sure enough, there they were—all of them all the way from Barnard to Yost, each with a personally selected photograph, a thumb nail sketch of past achievements and a forecast of



Lehigh University
extends to its alumni and friends most
sincere greetings of the season



future greatness. A calling of the roll today would reveal that some of cherished memory have taken the long journey to an undiscovered country, the last having been Henry Campbell. Others,—not many,—have upped their anchors, shifted to new bases, and inadvertently, we hope, forgotten to keep the Alumni Office and the rest of us who are interested, posted. We trust that this will reach their eyes—some of the rest of us having made it possible—and that they will attend to the omission at once. Others have apparently anchored too well.

Too bad all of you can't live in or near Bethlehem. You'd have plenty of reasons in recent years for hopping around on the old fallen arches, sucking in the intestinal area, snapping the suspenders and strutting the old Alma Mater stuff. After you read the football articles in this number of the BULLETIN we will venture to say you did it anyhow, no matter where you live. We thought we were hot when we beat

Lafayette two years out of four; but these kids have done it three years in a row. As the Pennsylvania Dutch rooter said, "It's beginning to get Monocacy".

Kink Johnson stopped in to see me in September with his son preparatory to entering the latter as a freshman at Lehigh. (Funny how fathers resort to this precaution in recent years. Might the omissions of the prototypes have anything to do with it?) Kink had just returned from a motor trip through Europe with his family, minus one of his daughters who was married just before Kink sailed. Kink looked well and happy.

Ed Mack also called on me enroute to Northampton, Mass. to enter his daughter in school. I could dilate at length on the charms of that young lady; but I dare not discriminate. I have two daughters and they read this publication.

Parke had an interesting letter from Bill Lalor, who has had a fight of it to regain his health. Bill is now located in the foothills of the Sierra Madre Mountains, in Tujunga, California, where he bought a cabin at a tax sale and with the help of a neighbor boy did all of the necessary work of rehabilitation.

Bill writes:

I believe I can rate a Union card as a painter, plumber, steam-fitter, carpenter, electrician, upholsterer, concrete-mixer, shoveler (fancy), to say nothing of laying linoleum, and other indoor amusements . . . Looks as though California will have me on its hands for the declining years of my more or less hectic career. At any rate could qualify for the Townsend Plan, but won't—I don't believe in it . . . Have just returned from a week's fishing trip to Big Bear and am applying Ungentine to approximately 75 per cent. of my epidermis. When it comes to California sun at an 8500 ft. elevation, one has to be a native to take it . . . Don't want to make you envious, but must mention seeing The Bartered (not battered) Bride. The Opera was given at the Hollywood Bowl under the stars—and I wish I could describe the sublime beauty of the spectacle, but my limited vocabulary can not do justice to the star-studded heavens, the music and the natural scenery, with the delicately shaded mountains as a back stage curtain.

Bill's letter was written before the Mason and Dixon line moved up to the southern boundary of Maine and Vermont; but the closing paragraph of his letter unmistakably indicates that he is wholly satisfied with that geographical (or was it political?) phenomenon. Thanks for the newsy letter, Bill, and good luck to you!

Ed Mack writes me today:

Convey my appreciation to the loyal members of the illustrious class of 1904 for their cooperation in their prompt response to our request for BULLETIN subscriptions. . . . News for the BULLETIN by me can be covered in a few words—my business is good, my daughter, my wife and myself are enjoying good health and we are happy. I wish the same to every member of the class of 1904, and in fact, every one.

The meeting stands adjourned to reconvene upon notice in writing from at least three of you with business to "transact."

Class of 1905

*W. H. Lesser, Correspondent
900 Clay Ave., Scranton, Pa.*

The most important news item for this issue — I attended the Lafayette game

and saw them trimmed once more. So many times I have witnessed the reverse operation that it is truly a pleasure to see a game such as just played.

I sat in front of Dan Berg who had the pleasure of seeing his son Bob play a very good game.

Saw Bill Estes, but missed Nick Funk who has been a regular attendant at these games.

The only note I received from the Alumni Office was about Dean Good. Dean lives at 1905 W. Second Ave., Spokane, Wash.

Saw Henry Clay last week. He lives in Bloomsburg and travels this region quite often.

Clarence White visited Hazleton a few days ago — I was sorry to miss him while he spent a few hours in the Altamont Hotel.

This will acknowledge a note from Russ Wait — am mighty sorry I cannot print what you wrote me Russ because I mislaid your note and do not remember what it contained. Seems to me, however, it refers to Pop Kline's future debut in the pictures. No kidding, Pop will soon be on the screen.

Class of 1906

*N. G. Smith, Correspondent
Fort Pitt Bridge Works, Oliver Bldg.,
Pittsburgh, Pa.*

There is a certain feeling of satisfaction that comes to a class correspondent, especially when copy is due and you fellows are laying down on news, and that is the knowledge that other Lehigh men are perhaps reading this column and getting an occasional kick from it; even when you're not.

For instance, there's J. H. (Pop) Pennington of '97. We correspond occasionally, yet have never met. He still retains a lot of undergraduate pep and says he'll start that 45 or 50 year class history of '97 some time, provided he can land some '97 men to help him. That's where Mr. Pennington partakes of a can of spinach to help him out, because this history stuff is a one-man job, as our own Chris Stouffer knows too well because he had only six months to put it across.

Another valued friend of '06 is a prominent manager of coal mining properties in the Pocahontas coal fields of Southern West Virginia: president or vice-president of a dozen or so corporations and distinguished for his activities in civic affairs, engineering, and various clubs and societies — Mr. John J. Lincoln, historian for '89.

Last year marked the fiftieth anniversary ('85 to '35) of '89's entrance to Lehigh's campus. Under date of October 12 Mr. Lincoln wrote to your correspondent in part as follows:

About a year ago I made an effort to get out a Fifty-Year Class Book from the time of entrance, I hope you may still have a Thirty-Year '06 History for a Lehigh old-timer.

Here are some extracts from Mr. Lincoln's letter of November 4 from his home in Elkhorn, W. Va.

I have enjoyed very much going over your class history and want to congratulate all of you upon the decided success of your under-

Wm. Wirt Mills, Jr.

Manufacturers' Representative

30 Church St., New York City

The Lowe Bros. Company

Paints, Enamels, Lacquers
and Varnishes

Dake Engine Company

Contractors' Equipment, Steam and
Air Motors, Hoisting Equipment,
Pumps and Marine Machinery

Wm. Wirt Mills, '87

Wm. Wirt Mills, Jr., '33

The Flintkote Co.

Industrial Asphalts Division

50 W. 50th St., New York

Steel and Concrete
Protection
Waterproofing
Industrial Flooring
Asphalt Specialties

STEPHEN PALISKA, '26

taking. Mrs. Farley's write-up of that husband of hers is great. I think you should add her to your class book committee for all future work. I was very much pleased to see the dedication of your class history to that sterling Lehigh graduate and, later, President of Lehigh—Dr. Drinker. In my judgment, he in every way deserves it. I know a few members of your class personally—Tom Fear for some years, and McMullen and I meet from time to time. As historian of '89 I take pleasure in sending you under separate cover a record of our old class—a class of which it may be said that it is very nearly a finished product.

Correspondent's Note:

Not yet, Mr. Lincoln! '89 is old in years, but young in spirit. After all, that's what counts, provided some of it is Lehigh! And a big lot of '89's is Lehigh when you consider such names as Ralph Dravo, Dr. Frauenthal, Hudson, Archibald Johnston, Butterworth, Diebitsch, Dougherty, Billy Cornelius, etc. The following lines on the front cover are typical of '89's love for Lehigh: "Hail the college . . . and the closing lines "Rare old, fair old, square old college. Wise and mighty old Lehigh!"

'06 extends the greetings of the season to Lehigh men everywhere.

Class of 1908

*W. D. Sanderson, Correspondent
Box 175, Pittsford, N. Y.*

Once more we bring the good old imagination into action and proceed to grind out this sparkling column. Why doesn't somebody, sometime, send something to help fill it — I ask you, why?

Oh well, in spite of the way you guys treat the C. C., he wishes you one and all a real Merry Christmas and a Happy New Year.

Lloyd Elwood Ritter is living at 429 Greenwich St., Belvidere, N. J.

Lost and Found:

This time they are all still lost and here are the names again: Beato, Dorsey, Evans, Frankenfield, Jennings, Lloyd, Ross, Semmel and Zweibel. Seems strange how these nine old men still elude us.

Speaking of old men, don't forget the Grandfather's Cup Contest which positively closes June 5, 1937. That doesn't leave you fellows much time unless you have already entered the race.

Lest We Forget

How short our memories! How many can recall the names of the Class Officers in our Junior year. I won't worry you too much — here's the list: H. D. Smith, president; F. J. Kraemer, vice-president; Lewis Heck, secretary; W. E. McCann, treasurer; I. O. Gibble, class historian; W. C. Brennan, athletic representative.

In preparing the data for the 30th Reunion Yearbook, the Committee is planning to include the names of everyone who was at any time connected with the Class of 1908. From time to time some of you may run across some of those fellows who are not on our regular class list. If so, let's have the dope. For example, C. Russell Stecker who was with us during our Sophomore year is now with the First National Bank, Easton, Pa., and lives at 721 Coleman St., Easton. Also C. E. Smith who was with us in Freshman year is outside plant engineer, Wisconsin Telephone Co., 722 North

Broadway, Milwaukee, Wis., and is living at 4150 N. Stowell Ave., Milwaukee.

Only a few more months to the 29th Reunion. Get set! Go!! Until next time, cheerio.

Class of 1913

*E. F. Weaver, Correspondent
1601 Union Blvd., Allentown, Pa.*

Because I was so rushed with other work, I inadvertently neglected to send in my notes for last month's BULLETIN.

Here are a few items of general interest:

Changes of address have been noted for R. J. Fahl, who is located at 312 Augusta Ave., Richmond, Va.; H. K. Rouse is assistant agricultural engineer of Soil Conservation Service, U. S. Department of Agriculture at Colorado Springs, Colo., and J. O. Whiteley is secretary of The Dentists' Supply Co. of N. Y. at York, Pa.

The Honorable Herbert Will Lamb of Adrian, Mich., who describes himself as a "batch" with three children (!) spent his vacation this year in the wilds of Northern Canada. He reports fishing as being excellent, and he's contemplating a similar trip next year with those other well-known Mets — Messrs. Smith and Ward.

E. E. Finn, is temporarily located with the Anthracite Industries, Inc., Room 3207 Chrysler Bldg., New York City. We understand he's helping to make the

Sources of Service ...

Two Sources of Service have greatly increased the efficiency and economic output of the leading coal mines throughout the country.

One Source of Service is Lehigh University. A list of notable mine executives, engineers, managers and presidents of industrial companies in the vicinity of the mining fields, reads like a roster of Lehigh graduates. Out of the 51,000,000 tons of anthracite mined in the United States in a year, 20,000,000 tons were mined by companies headed by Lehigh men. That is one of the Sources of Service.

The other Source is American Car and Foundry Company. A.C.F. plants at Berwick, Pa.; Huntington, W. Va.; Bloomsburg, Pa.; and Terre Haute, Ind.,—each in the heart of a mining region—have supplied mine cars providing the most economical transportation. For eighty-seven years, A.C.F. has been studying the industry's requirements and has been constantly developing new and more modern equipment to meet those needs. Take advantage of our cordial invitation to visit the nearest A.C.F. plant.



AMERICAN CAR AND FOUNDRY COMPANY

New York • St. Louis • Chicago • Pittsburgh • Cleveland • Berwick, Pa. • Philadelphia, Pa.
Huntington, W. Va. • Terre Haute, Ind.

hardened denizens of the metropolis "anthracite conscious."

Did you and you send in your contribution to the Alumni Fund? "Okey" invites you to "come on in — the water's fine."

Class of 1914

*J. O. Liebig, Correspondent
41 N. Fifth St., Allentown, Pa.*

Once again Lehigh has scalped Lafayette and you cannot use the excuse that if Lehigh had a good team more interest would flow into the Lehigh till and also benefit 1914 with your support. In the hope that our 25-year reunion will not be a fizzle, we are sending out some

feelers for ideas. The following replies came to us:

Dear John:

I like the 25-year book idea and will gladly co-operate in any way possible to make the edition a success. Let me know what I can do to help the program along and mark me down as being in accord with any plan that a committee might choose to follow.

The BULLETIN is wonderful having now reached such a peak of perfection that no alumnus can expect to enjoy the fullness of life without it.

Am planning now (you know how that is) so that I might be able to return and celebrate with the rest of the boys our glorious twenty-fifty.

We can all be proud of Lehigh's football playing. More power to the boys, and may their strength and determination carry them to a glorious victory over Lafayette.

And then I'll celebrate!

Yours for Lehigh,
FRED "TONY" BIANCO.

Among those that are transferring their affections from one home to another are:

Ernest H. Sellers to 704 Phillips Ave., Wilmington, Del.: Emory W. Hukill is an automobile dealers in Middletown, Del.; A. F. Ehnis, new address, Cascade Auza, 4th and Market Sts., Riverside, Cal.; R. H. Whitney, is field engineer for B. F. Goodrich Co., Akron, Ohio. He lives at University Club, Akron, Ohio.

Annexed and everything by courtesy of E. C. Higgins, '15, is our good friend H. D. Jay who is back in the fold.

Wishing you "lotions" of jack, from which to take some and send to Billy Cornelius as a memorial to yourself, we bid you well.

Class of 1916

*E. J. Clement, Correspondent
10 Sheridan Square, New York City*

High Marks and Side Remarks on
Lehigh 18 — Lafayette 0

Hopcock, alert end, grabbed the ball as it skidded to the side and scampered down field to record the third touchdown.

First 1916—"Shades of touchdowns as Sawt used to make them."

Second 1916—"By the way, where is George Sawtelle these days?"

First 1916—"Oh, he's president of the Kirby Petroleum Co. with offices in the Kirby Building in Houston, Texas. Lives on Post Oak Road in Houston."

A crowd estimated at about 12,000 watched the game. This was considered a good turnout here, where the high school games sometimes draw more than the colleges.

If you had happened to be in the vicinity of that house on Brookdale Road, Stamford, Conn., the home of the vice-president of the First Boston Corp. of 100 Broadway, New York City, as Louis Mudge read that statement in the newspaper, we just bet you'd have heard Louie say: "Huh, my 1915 team with its wrecking crew used to draw a bigger house than that."

Played to a standstill in the first half, the Brown and White team . . .

NE—8—24—"I don't like this 0 to 0 business. It's worse than sitting in a dentist's office waiting for your turn in his chair."

NE—8—26—"Speaking of dentists, did you know that Morris Greenstein is one? His office is in the Medical Arts Building, Room 210, Wilmington, Del. He lives at 903 W. 23rd St., Wilmington."

The first two scores came at the end of two long marches down the field . . .

Those marches may have been long, but not so long as Freeman Hess's long lines; for he is in the Long Lines Plant Department of the American Telephone & Telegraph Co., and can be found at 32 Sixth Ave., New York City. His home is at 59 Forest Hill Road, West Orange, N. J.

Class of 1917

*C. W. Kingsley, Correspondent
40 E. 88th St., New York City*

Even before my query about our coming reunion appeared in the last BULLETIN I had received a wire from A. D. on the same subject from Cleveland. It seems that A. D. ran into Buxton there at some meeting or other and over their

An Opportunity in a Fast-Growing Industry!



To those seeking a field of endeavor that is not overcrowded, and in which the rewards for the exercise of brains and energy are considerably above the average, there is now offered an exceptional opportunity—a dealership in Palace Travel Coaches. The possibilities are great! The capital required is small! And, most important of all, it is a business that, while comparatively new, is universally acknowledged as one that is destined to rival that of the automobile in the not far distant future!

Write for particulars as to how you can open a Palace Coach Salesroom!

Palace Travel Coach Corporation
Dept. 40, Flint, Michigan

WRITE FOR PARTICULARS

*An Easy Solution
to that*

PERENNIAL PROBLEM of Christmas Gifts

GIVE SOMETHING FROM LEHIGH

For the Wife or Girl Friend—Son or Daughter—in fact for Anybody

A Few Suggestions of Distinctly Lehigh Items . . .

Book-ends	Cigarette Cases	Silver Inlaid Pipes
Letter Opener and Book Mark	Bracelets	Pennants
Scrap Books	Rings	Banners
Plaques	Knives	Pillows

MAIL ORDERS PROMPTLY ATTENDED TO

Goods sent on approval if desired

THE SUPPLY BUREAU ALUMNI MEMORIAL BUILDING

John Maxwell, '26, Manager

ups they thought of the 20th reunion as I am sure we all have.

After conferences and correspondence a list of names was gotten together to comprise a Reunion Committee, said list being as follows: F. A. Buxton, K. S. Crichton, W. A. Beck, L. J. Breen, John McKay, F. E. Portz, Chester W. Kingsley, J. M. Rapoport, A. D. Bach.

If your name is not on the list it does not mean that your services are not wanted, and if any of you are willing to give some of the time and effort which will have to be put forth in order to make the reunion the best one yet, just let me know and I am sure the committee will be glad to add your name. From time to time as the committee has anything to report you will be advised either through this column or by direct letter. The other day I saw Kyle and I am sure he will have something of interest to say in the near future. Incidentally, I bumped into Rap a few days ago and he expressed a desire to once again assume the role of host as he so capably did at our 15th.

There is one thing about which I believe the committee would like an expression of opinion from as many as possible, and that is whether you would rather have the banquet held in some hotel or inn where no other reunion banquets are being held or whether you would like it held, probably in some hotel in Bethlehem, where there are several other reunion class banquets in progress at the same time. I personally thought the last banquet held in Allentown the most successful one to date, but I am only one member and I feel sure that I am stating the mind of the committee when I say that we wish to please the majority, if the class will only step forward and give us their views so that we can ascertain what the majority really wants. Watch for further announcements in the next issue.

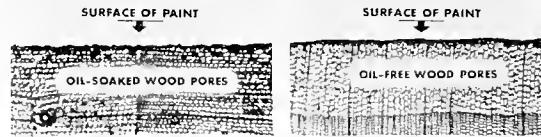
Class of 1919

*William McKinley, Correspondent
16 Wall St., New York City*

Good Old Joe Rosenmiller, our able class secretary, apparently has seen fit to adopt the "New Deal" if not in full, at least in part, to the extent of "sharing the w—— plant." Now that the November elections are over and we know that such a vast majority of the voters favored a continuance of the "New Deal," I am all for Joe's "share the w—— plan" and I am happy to contribute my bit to the column assigned to me for this issue.

Bucky Macdonald has asked for suggestions as to what the Class of '19 might do now that Al Seobey, our protege, has graduated. I do not believe the class could do better than to seek out again some worthy undergraduate, who is deserving of assistance in a practical way. We can very well do as much for such undergraduate if not more than was done for Al Seobey. The director of athletics might make suggestions with respect to the undergraduates to be considered as candidates for such award. If

CONTROLLED PENETRATION DOUBLES LIFE OF HOUSE PAINT



Conventional paint loses much of its oil through excessive penetration.

Controlled penetration keeps Devoe oils right where they belong: in the paint film.

What is the secret? Two new paints . . . made for two entirely different purposes. An undercoat that seals the wood pores or the old paint and builds a solid foundation. A topcoat made from a new pigment. Together these two paints

effectively fight destructive sun rays.

Now by using two **different types** of paint (not three coats of the same paint) . . . two coats do a better job than three ever did before. Before repainting, investigate the new Devoe 2-Coat System.

For Descriptive Booklet — Write Any of Us

G. L. Ball, Jr., '30	S. R. Goodrich, '35	C. F. Miller, '35
E. W. Diener, '28	C. M. Jackson, '33	B. Rabin, '32
K. A. Earhart, '31	J. S. Long, '13	A. E. Rheineck, '31
T. K. Garihan, '36		G. A. Voehl, '36

DEVOE & RAYNOLDS CO., Inc.

1 West 47th Street, New York

CHARLES McGONIGLE, '01

OTHO POOLE

POOLE & McGONIGLE

Engineers and Manufacturers

STRUCTURAL STEEL FOR BRIDGES, BUILDINGS, Etc.

PORLAND - - - OREGON

POOLE - DEAN COMPANY

Incorporated 1911

Steel Contractors

ERECTORS OF BRIDGES and BUILDINGS

PORLAND - - - OREGON

OTHO POOLE

CHARLES McGONIGLE, '01

Brown - Borhek Company

BETHLEHEM, PA.

LARGEST AND MOST MODERN LUMBER AND
WOODWORKING PLANT IN THE LEHIGH VALLEY

PHONE 3-700

any of the class members have other ideas please send them to Joe Rosenmiller where they will be gratefully received.

I saw Lehigh play Johns Hopkins at Bethlehem a few weeks ago. In spite of the rainy weather, which might have made it either team's game, Lehigh showed it had the stuff. With the victories over Penn State and Rutgers it was becoming evident that the team would repeat its victory of last year over Lafayette. I was happy to be able to attend the game at Easton over the past week-end where the Lehigh rooters once more enjoyed the thrill of watching Lehigh beat Lafayette. Here's hoping that they can repeat the victory again next year.

Harold S. Wood is now living at 1492 Perry St., Columbus, Ohio. He is intramural athletic director at Ohio State University, Columbus.

B. P. Rex has been located at 828 S. Main St., Geneva, N. Y. He is bituminous sales engineer with the General Crushed Stone Co. of Easton, Pa.

We have learned that G. P. Jones is connected with the sales department of the Bethlehem Steel Co. in the Wrigley Bldg., Chicago.

The latest whereabouts of R. A. Hurley have been reported as 72 Park Ave., Bridgeport, Conn.

Since leaving Lehigh your scribe spent three pleasant years in Valparaiso, Chile, with W. R. Grae & Co., followed by three years in the sales department of

the Barrett Co., New York. At the present time I am engaged in trust work with Bankers Trust Co., at 16 Wall St., New York, N. Y., at which address I shall be very happy to welcome any '19 men who happen to be in the neighborhood. The lunch will be on me.

Class of 1920

*E. L. Forstall, Correspondent
Rosemont, Pa.*

Before we forget it here are our apologies to Bill Hunton for not acknowledging his nice letter long ago. Bill, who moved to Buffalo about 18 months ago, has taken such an interest in Lehigh affairs there that he has been elected President of the Lehigh Club of Western New York. In keeping with the new spirit of brotherhood now rampant throughout the world (Spain, for instance) the Club is having joint outings with the Lafayette alumni of that region. That sounds O. K., Bill, provided you let 'em know who is boss. Bill reports that R. E. Brown is San Francisco District Manager of Electro Metallurgical Sales Corp. Thanks a lot, Bill, and how about a letter from someone else? Jim Straub, what is new in Pittsburgh?

Ted Estes in Loudonville, N. Y. near Albany, spent 3 cents on us to extend felicitations anent the news appearing at the bottom of last month's column. Ted says he expects to move to Philadelphia in the near future. We celebrated Labor Day (and the two days

before) by canoeing down the Hudson from Kingston to Nyack. The wind was all the other way, however, and had we known you were at Albany, Ted, we most certainly would have gone in that direction. The only other catch was that we had covered that section last year and wanted to see some new scenery. Some day we may write the story of our cruises in the folding German canoe (faltboat) which we carry around with us in the back of the Ford.

Recent 1920 information from Bethlehem tells us that: W. K. Wiegner is an electrical contractor in Bethlehem, Leopold Goldberg is "lost". Last heard from in Scranton, Wm. Nagy is in Bethlehem with the steel company. Ed Stotz and his brother are engineer and architect in Pittsburgh. Clyde Flory cuts 'em up at Grandview Hospital, Sellersville. Bert Baderschneider sells Pontiacs in Bethlehem. L. J. Purvin manages the Purvin Dairy Co. in Wilkes-Barre. Ted Straub is in the Trust Dept., Chase National, New York. C. G. Schantz is with Weston Dodson Co. in Bethlehem.

Class of 1921

*Wm. M. Hall, Jr., Correspondent
The Hall Grindstone Co., Constitution, O.*

Bart sends you all up to the minute news of the Lehigh-Lafayette game:

Dear Mac:

It was at the Reunion in June that I had the honor and pleasure of becoming a member of the Class of '21. I have always had a strong feeling of kinship for the group most of whom

BENJAMIN

Reflectors and Floodlights

Made of porcelain enameled steel
for high efficiency lighting of plant
interiors and yards.

Benjamin Electric Mfg. Co.

General Office and Plant

Des Plaines, Ill. (Chicago Suburb)

Eastern Warehouse and Division Office

230-234 W. 17th Street, New York City

B. G. KODJANOFF, '98, Division Manager

FORT PITT BRIDGE WORKS

Bridges . . . Buildings

•
Structural Steel Construction of All Types
Reinforcing Steel—Welded Bar Mats, Etc.

•
Plants:
CANONSBURG, PA., and MASSILLON, OHIO

•
CAPACITY, 100,000 TONS PER ANNUM

•
GENERAL OFFICE: 29th Floor, H. W. Oliver Building
Pittsburgh, Pa.

NEW YORK OFFICE
15 Park Row

CLEVELAND OFFICE
Bulkley Building

PURCHASING DEPT.
Canonsburg, Pa.

T. A. STRAUB, '90, President

H. R. BLICKLE, '93, Vice-President

SCHUYLER B. KNOX, '93, Mgr., N. Y. Office

P. B. STRAUB, '97, Secy. and Treas.

A. SHELDON, '93, Asst. Chief Engr.

N. G. SMITH, '06, Engr. Contr. Dept.

D. B. STRAUB, '28, Erection Department



"Let's talk about the weather and do something about it!"

YOU may be a snow-bird yourself—and revel in icy gales—but your car is going to act up unless you coddle it a bit and have it winter-conditioned.

Your motor will be rarin' to go

—even when the thermometer drops to zero—after Cities Service's expert winter-conditioning service.

* * *

Foot-note: The cost is mighty reasonable.

Go to your  station today



were Freshmen when I started my career at Lehigh. It was a grand Reunion and I was glad to have a part in it; also to meet and talk to many of the men I had not seen since graduation.

Once more the big game is over with Lehigh topping the score at 18-0. Fortunately we had a perfect day, no need for extra togs or toasters. The stands were crowded with happy people, eager to see the old Brown and White go to town. And they did.

Lafayette played their best game of the season and it took a good team to win. Lehigh seemed inspired after the first half and played a great game. With a fine staff of coaches and a willing sturdy group of players we seem definitely to have turned the corner and face the future with bright prospects.

Sorry to say I did not contact many of the men of '21, but I did sit near an enthusiastic group of alumni with Pop Shepherd acting as Master of Ceremonies in the Green Grocery Department. An array of celery and endive added much to the color and charm of ordinary headress as Lehigh went thru the paces and carried the ball across the line.

George Childs, Dick Richards and Bob Billinger were a few of the men I did see; too bad more can't arrange to have a get-together for that game.

I am still holding forth at "Taylor Gym"

every day and would welcome any of the crowd with open arms. With football over we go on to winter sports and hope some of the boys will see us in action.

To "The Class of Twenty-One" wherever you are on land or sea, "A Merry Christmas" and "A Happy New Year" to you from me.

Sincerely,

FAY CONANT BARTLETT

Bethlehem, Pa.
November 22nd, 1936.

Bob Billinger sends you some sidelights on the game:

It was a great day—nice temperature to enjoy the thrills without freezing, and the Lehigh crowd was down there at Fisher Field with its new stadium behind the Lafayette Campus, in fine spirit.

There was a massed band formation—120 from Lehigh and 36 from Lafayette, shooting of guns and waving of flags. The funniest thing I saw was one group of alumni who had brought or bought out a truck cart's supply. When Lehigh scored it rained various kinds of vegetables, besides the usual toru paper, etc.

Warren Bowden, Eddie Loeser and Warren, Jr. (L. U., '44) sat with Mrs. B. (Evelyn) and me. We were in N. E., Row 9, seats 1, 3, 5, and 7, and Loeser says we should complain

because we were on the 49 yard line—thanks to Bob Adams.

Bowden is still building bridges and tunnels for the New York Port of Authority. Loeser makes perfumes by day and bowls, plays bridge, papa and amateur photos by night. He's got the "candied" views of the game. Fay Bartlett and better half sat 8 rows or so behind us and sends his greetings.

Between halves I met Eb Morgan, '21 (first time to a Lehigh affair in 15 years) snavy, young looking and prosperous coal man from Cresson. (Raise his dues!) At a distance saw George Childs and Jim Dougherty swank as ever. Bob Hinchman was there in the biggest fur coat. Ray Bobbin, '23 and Frau greeted me and swapped stories. Al Glaser and Co., '20, came in time to see the goal posts torn up, then burnt up his car and stayed with me to celebrate. There must have been lots of others but I couldn't spot them in the crowd. Wish you'd been there, Mac.

Cheerio

Bon

A very Merry Christmas and sincere wishes for a Happy New Year to every member of the Class of 1921 and all Lehigh men.

Class of 1922

C. C. Stranch, Correspondent
2805 Haverford Road, Ardmore, Pa.

Three years in a row isn't so bad for just a couple of Lehigh engineers, and you fellows that missed the game in Easton on November 21st ought to be sorry.

Lehigh was a second half team this year, and the Lafayette game proved it conclusively. As far as the writer is concerned, they could have skipped the first half and made it just the second half, and we would have enjoyed it much more.

Sat near Dave Green, "Wop" Saltzman and "Red" Newlin. Enjoyed various comments of by-gone days. We received three promises for attendance at the "Fifteenth" in June, and these three fellows are guilty.

We also had the pleasure of running into "Wally" Schier at the Hotel Easton before the game, and chatted with him, Mrs. Schier and "Wally," Jr. "Wally" has a good size football player on the way, so keep your eyes peeled in a few years for a '22 son on the varsity team.

We drank a few beers with Dan Lewis from Pottsville and inveigled him into a promise for the Fifteenth Year Reunion.

Our illustrious president, Bill Little, dropped us a line a few days before the Lafayette game, saying that he was "peddling" for the Mellon Securities Corp. in Pittsburgh. Bill tells us that he has seen "Arty" Herman, who is with the Crucible Steel Co. and "Spike" Mumma, who is with the National Tube in McKeesport, Pa. Bill inquires about Ken Downes as to his whereabouts. According to the class records, Ken is at 204 Russell Road, Alexandria, Va. Bill would like to hear from him, and so would we. How about you, Ken?

Our wise-cracks about "Heine" Carroll brought forth a letter, part of which

I will repeat—the other part I don't dare repeat. "Heine" has been out to the University of Michigan in an attempt to acquire his Ph. D. in Physics. "Heine" claims he would like to hear from Herb Kleine, Charlie Connell, Jake Gerlach, Les Ricketts, Jimmy Marshall and Peet Terry. O. K., "Heine", if you hear from them, you tell me, and if I hear from them, I'll tell you.

We were talking about Fred Bailey at the Phi Gamma house the other night, and we were wondering, Fred, where you were and what you are doing. You were plant engineer at the Crocker-Burbank Co. in Fitchburg, Mass. Loosen up on your right arm, Fred, and let's hear from you.

Class of 1926

John W. Maxwell, Correspondent
Lehigh Univ., Bethlehem, Pa.

Didn't see you at Lehigh's third win in a row over Lafayette. This doesn't necessarily have any bearing on whether or not you were among the celebrants because I didn't see anybody from our class. I waited too long and couldn't get tickets with the class. The only bird I talked to was G. R. Smith who called up on Sunday about something else.

Of course, Louie Huyette and Joe Hunter were at their usual places at the Philadelphia Club brawl on the Thursday evening preceding the game.

Heard something about Red Ayres for the first time in some years. He's spending some money for Proctor & Schwartz as purchasing agent. A good fellow for you salesmen to know.

Yes, we have our intellectual big shots, too. Take Dr. Frank Kear, for instance. His main job at present is that of radio engineer with the Washington Institute of Technology. In addition, he is lecturer on Electrical Communication at the University of Maryland. He got his doctor's degree at M. I. T. back in '33.

Emerson Walters, who was one of Dr. Carothers' star students, has gone into engineering, in name at least. He is an assistant industrial engineer with U. S. Steel at 71 Broadway, New York.

If you ever find yourself hungry in Wilmington, stop in at the Reynolds Candy Co., 703 Market St., and have something on the manager, vice-president and treasurer, who is all the same person — Griffenberg.

Charlie Zug is back in town selling life insurance and giving Fritz Mercur a battle. Charlie represents Northwestern Mutual. Both Charlie and Fritz (Equitable, N. Y.) represent good companies — at least, we hope they do.

Bob Fountain is another fellow who hadn't been heard from in some time. His business is Ross and Fountain, Inc., amusements. Without knowing any of the particulars, we have a suspicion that the Ross part of the business is Rodney Ross, '25. Merry Christmas, gang!

Class of 1927

H. O. Nutting, Jr., Correspondent
14 E. Walnut St., Lebanon, Pa.

Too much cannot be said in favor of Glen Harneson and his staff for the showing their team made this past season and especially that in Easton, where we were all shown the light. It was a real pleasure to see so many of the gang back and although there were some I didn't get a chance to see, your correspondent did pretty well for himself. Among those seen before, during, or after the game at various and sundry places were: L. Broad, Carozza, Covert, DeWolf, Farrell, Fisher, Ford, Goodfellow, Hamrah, Kost, Krone, Lenna, Lewis, Martin, Nealy, Picking, Phyfe, Robinson, Rupp, Shaw, Stofan, Rights, Sasse, and Willis.

All C. E.'s will enjoy the story Ad Covert tells of how ex-Professor Fogg applied to Ad's Dad, of the P. R. R. some

THE HOTEL BETHLEHEM

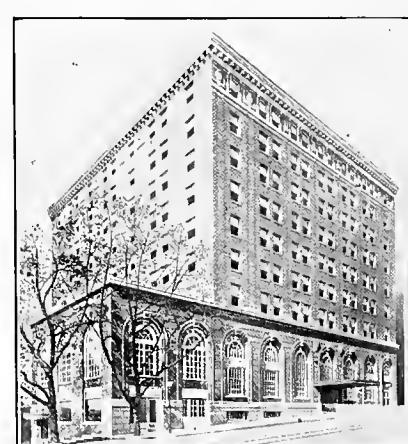
Alumni Headquarters of the Valley

- MAIN DINING ROOM
- COFFEE SHOP
- TAP ROOM
- CRYSTAL BALL ROOM

Unlimited Free Parking

Under Direction of American Hotels Corporation

J. LESLIE KINCAID, President
STUART E. HOCKENBURY, Manager



200 ROOMS
200 BATHS

J. G. Bent, Jr., is now supervisor of research for Mackubin, Legg and Co., Investment Bankers, at 222 E. Redwood St., Baltimore. Home address is 2007 Homewood Ave.

Earl Diener is at present doing development work for Devoe and Raynolds. They make paint, it seems. He's living at 100 Second Ave., Newark, N. J.

B. H. Eekhouse has moved to 1818 Avenue L, Brooklyn, N. Y.

Stan Favinger is at 639 Kenilworth Road, Ardmore, Pa. Outside of Philadelphia, in case you're driving through from the west.

Class of 1929

*J. M. Blackmar, Correspondent
242 N. Orton Parkway, East Orange, N.J.*

Another win over Lafayette — ho hum! At least 29 '29-ers were back for this big reunion week-end or to wit (if your name is omitted, blame it on my not getting around or your not being at the right spot at the right moment): Ahlberg, Andrew, Bob Baker, Lou and Steve Becker (though not brothers), Black, JMB, Blanchard, Brennan, Boynton, Caskey, Dillon, Farnsworth, Fluharty, Heilman, Henry, Inaba, Jacobi, Kil-and-Kirkpatrick, Mendenhall, Tubby Miller, (28, '29, '30) Miralia, Monfried, Neath, Pelizzoni, Phares, Carl Potter, Quinlan, Reutelhuber, Trantum, and Whitaker.

The above lead and list was contributed by our conscientious classmate Kirk

who stopped at this married man's apartment on his way home from Bethlehem with Dewey and reminded yours truly that his honeymoon is over and that the class column must be continued. Jack's right, as usual, so I'll try to write regularly as of yore.

Tod Neath told me he has been personnel director for three years of a radio condenser concern in Camden, N.J.—still single and satisfied.

For the record, those seen in the stadium with wives in tow included Steve Becker, Jake Jacobi, Bill Heitman, Peter Pelizzoni, Stan Phares, and self.

Inasmuch as Uncle Sam decided to leave the gold standard, one of Doc Carothers' disciples, Kirk, decided to leave the banking business after a heretofore uninterrupted career of more than seven years with Irving Trust Co. Jack has become affiliated with the well-known and Lehigh-managed Kittinger Furniture Co., and is recommended to prospective grooms in the Met area as a good man to see and also to would-be brides for he is indeed an eligible bachelor and man about town.

The summer saw Dewey Trantum resign from the New York Life Insurance Co. (mortgage department) in order to return full time to the lumber business with his father, C. A. Trantum of Brooklyn. He took particular delight in watching the crashing game Harmeson's ends played. How he hit 'em himself!

Jake Jacobi has likewise made a change and this time drove back to

Beslam from College Park, Md., which is the seat of the University of Maryland, where he, as Dr. Jacobi, is an instructor in sociology. Residence is 10 Cedar St., Hyattsville, Md.

A bond salesman was included among the throng that filled the north stands which held more loyal Lehigh supporters than the south side of the stadium which served the home adherents. Sigma Nu's Miralia of Halsey Stuart & Co. of 53 Wall St., New York City is the investment counsel to whom we refer.

This fall your correspondent also attended the football dinner sponsored by the Lehigh Club of New York on October 21 and was delighted to find so many classmates at that excellent evening's entertainment. There were present Al Andrew, both Beckers, Ray Black, Tom Brennan, Charlie Buck, Andy Evans, Dave Fluharty, Jack Kirkpatrick, Art Magill, Dave Miralia, Paul Moser, and Dewey Trantum (who is doing a good publicity job for this alumni club). All in black, the Reverend Black admitted on questioning that he is now assistant in the largest Episcopal parish in the country, being located in New York City.

Let me extend a Christmas greeting to all '29 men and their families. Do any of you wish to know anyone's address? I for one would like very much to receive many Christmas cards from classmates with newsy notes in longhand so as to have more material for a future issue. Break down, boys!

CANDOHM RESISTORS WILL SAVE YOU MONEY

SEND YOUR SPECIFICATIONS FOR SAMPLES AND PRICES

**We solicit your business
no matter how small
or how large it
may be**

Complete Lines of
Paper Bags, Wrapping Twine, Napkins
Towels, Toilet Tissue, etc.

Office Supplies, School Supplies
Filing Equipment, Typewriters
Rubber Stamps, Printing, Engraving
Lithographing, Textbooks, Drafting Supplies

Representing Corry-Jamestown in Steel Equipment

Standard Stationery Supply

333 South New Street

Bethlehem, Pa.

PHONE 2714

H. A. (Mickey) SEWARD, '30

Proprietor

R. B. MILLER

Beta Theta Pi House

Campus Representative

Class of 1930

*F. J. Whitney Jr., Correspondent
322 N. Mallock St., West Chester, Pa.*

Although the alumni turned out by the thousands for the Lehigh-Lafayette game, only a few from our class were seen. Perhaps time has disguised many of the fellows so that they passed by unrecognized.

Among those that were seen back for the game were Stan Phelps, Buck Jones, Jim Heilman, who received his LL.B. degree from George Washington University this past June, and has passed his bar examinations, and George Turn. George is in partnership with Jack Brown. They have the Equitable Life Insurance Agency in Scranton, and although they have only been in business since October, 1935, they are making out very well.

Ben Steinert came back to the old town Saturday night. He is still with the Bell of New Jersey being stationed in Trenton.

Phil Tucker and Paul Brosz were also among the spectators at the game. Many of those mentioned brought their wives with them and it appears as though much of the spirit was inspired by them.

Bob Sylvester has been quietly establishing himself in business in Pottsville with the result no one sees him.

Dave Walbert is doing time study work for the New Jersey Zinc Co. at Palmerton, and he is living at 654 Franklin Ave., Palmerton.

Dr. Irving M. Siegel is practicing in New York City. All accidents may be taken to 607 West End Avenue.

William A. S. Furtwanger is a manufacturer's agent for Diesel engines down in Charleston, S. C.

M. S. Christman is living at 913 Tenth Ave., Prospect Park. He is the steam service engineer for Westinghouse Electric at Lester, Pa.

Don Bower is assistant to the chief of flood control, engineering division, War Department, in New York City. His temporary residence is the Hotel New Yorker.

Joe Girdler is down in Huey Long's old territory trying to drum up business for Phillips Petroleum. His address is 433 Olive St., Shreveport, La.

Class of 1932

*Lt. Carl F. Schier, Jr., Correspondent
2308 Bryan Park Ave., Richmond, Va.*

Your correspondent wishes to express his regrets for two recent failures to properly represent the class. Number one is for missing last month's column in the BULLETIN and the second for not being on hand for the trouncing that Glen Harmsen's boys handed our Easton foes and celebrating with the many '32-ers that I know were present. Both failures came about as the result of a most enjoyable vacation my wife and I took in October. When the copy for the November issue was due we were on our

way to Bermuda for a two-week stay and when the week-end of November 21 rolled around there were no funds left for the trip to Bethlehem.

News is limited in most cases this month to '32-ers in the Empire State:

Leon Zaretzki is practicing law at E. 42nd St., New York City, and has a contemporary in Highland Falls, N. Y., Sidney Edelman who received his LL.B. from Cornell in '35.

We welcome to our active list Carl Weaver, who is a First Lieutenant at the 1246th Company, CCC, at Middlebury, N. Y., and Sam Crocco, who is also connected with the CCC as a civil engineer in the Pennsylvania Department of Forests and Waters at Emporium, Pa.; George Hutchinson, who gave his address as 220 Orchard Lane, Edgeworth, Pa., and John Button, Staff Physician of the Still-Hildreth Osteopathic Sanatorium, Macon, Mo.

Sidney Lockner is assistant construction superintendent for the National Electrical Supply Co., Washington, D. C. H. K. Saunders is located in New York City with the Consolidated Edison Co. Jim Campbell, David Marks and David Grutzman are also located in the Metropolitan Area. Jim is circulation manager of "The Gasoline Retailer," Marks is engaged in insurance in New York and Newark, and Grutzman is engaged in private chemical research as an assistant in Brooklyn.

Keep in mind the class reunion in June — we are after the cup for the best turnout, and should have a great time with a real crowd present.

Class of 1933

*Burt Riviere, Correspondent
902 Chamber of Commerce Bldg.,
Pittsburgh, Pa.*

Your class correspondent at this point feels like a neophyte Arthur Bribans, who sends articles to newspapers from all parts of the country. At any rate, fellows, here goes with some news sent from New Orleans.

Hearty apologies to smiling Wilson Kistler whose marriage of September 15 in New York City has slipped by our column. Yes, on that day Miss Sara Louise Hoeffer became Mrs. Kistler and now they are both living at the Saybrook on 85-10 34th Ave., in Jackson Heights, L. I.

Most recent news comes from "Pete" Peck, whose late interesting note was fortunately forwarded. "Pete" writes with keen interest about his new work with the splendid Anaconda Wire and Cable Co., for whom he is now conducting sales promotion work in Ohio, Kentucky, Tennessee and the Virginias. Best of luck, Pete.

Every time Johnny McElwain comes back from an eastern trip he tells about how fast Nick Lloyd is going ahead in the motion picture game. Letters of inquiry about that fascinating business can be addressed to Nick at 536 Irvington Road, Drexel Hill, Pa.

Good ole Johnny McElwain busies himself with large industrial natural gas

"Insurance Careers for College Graduates"

THIS booklet, published by The Penn Mutual Life Insurance Company, explains the advantages life underwriting offers to the college graduate at the present time. It covers these topics:

**FINANCIAL OPPORTUNITIES
THE COMPANY'S FIXED
COMPENSATION PLAN
QUALIFICATIONS**

You may obtain the booklet with no obligation from:

National Collegiate Personnel Bureau

THE PENN MUTUAL LIFE INSURANCE COMPANY

Independence Square • Philadelphia

Executive

Lehigh engineering graduate: 15 years experience; shop work, drafting, design, layout, sales, advertising, financing, labor problems, board of directors, writing of reports, successful sales literature, various civic and business literature, served on civic organizations, public speaking, Christian, American, 36, athletic, good health, social background. Having finished organizing and establishing successful company desires pioneering job with problems or assistant for busy executive. Able to go anywhere; hot, cold, home or foreign. Available soon. Salary per position. Address 1923, Alumni Association, Lehigh University, Bethlehem, Pa.

Duquesne Slag Products Co.

BLAST FURNACE SLAG
CRUSHED, SCREENED AND SIZED FOR ALL PURPOSES

PRESSED SLAG BRICK
FOR ALL BUILDING PURPOSES

BITUMINOUS CONCRETE
PAVING MIXTURE

Plants at

PITTSBURGH, PA. DUQUESNE, PA. POTTSTOWN, PA.
COATESVILLE, PA. CATASAUQUA, PA. EASTON, PA.
BIRDSBORO, PA. TOPTON, PA.

Main Office
Diamond Bank Bldg., Pittsburgh, Pa.

Eastern Sales Office
425 Commercial Trust Bldg., Philadelphia, Pa.

With the Company
C. L. MCKENZIE, '93 C. C. BURGESS, '95 J. R. P. PERRY, '26

Ask for Dodson Coal

Regardless of where you may live (provided, of course, you live in anthracite - coal - burning territory) you can always get Dodson coal. It is a high grade product, mined and marketed by Weston Dodson & Co., Inc., Bethlehem, Pa., a hundred per cent. Lehigh University institution, from the President down.

Dodson anthracite coals are as follows:
Oak Hill, Silver Brook, Weston, and Salem Hill. Ask for them at your coal dealer.

contracts for the Peoples Gas Co., in Pittsburgh. Understand he is doing a good job.

Frank vanhorn has taken himself west to Denver, Colo., to work for the United States Bureau of Reclamation and to reside at 1223 Columbine St. From all I can gather Frank's location of work has taken him farther from Lehigh than any member of the class.

Dick Hess' title and description of work reads like a life-long biography. Here's the dope in brief—analysis worker for the U. S. Department of Labor in Harrisburg, Pa.

Can just imagine the laughs all the employees of the General Electric Contract Corp. of 1405 Locust St., Philadelphia get from genial Bill Crouse, who, as I recall, started selling Fords in June of 1933.

Charlie Tomb has become a Junior Engineer with the Bethlehem Steel Company in the Lehigh Valley.

Eric Kremer, who so well upset the "dope" about the 1933 Wrestling Inter-collegiates in Bethlehem, has turned to selling for the Plant Cultivation Co. with headquarters at 70 Pine St. in New York. What are you selling, Eric?

Mac Bell who has cast his destinies with the well-known Dravo Corp., is living in Sewickley, Pa., at 530 Academy Ave.

We understand that Mac's fraternity brother, smooth Shorty Crichton, is still busying himself at the Harvard Law School.

Class of 1934

*L. H. Eichelberger, Correspondent
1600 N. Hilton St., Baltimore, Md.*

The gang really turned out for the game at Easton. Even though during our four years the class of '34 saw no victories over Lafayette, we as alumni have no complaint — a win for each year out — our record for the past and our cry for the future.

Friday evening saw many of us collected in Bethlehem but Saturday evening at the Maennerchor really was the evening that '34's held forth in numbers and in capacity. Nearly everyone had news to pass on so several of us tried interviewing and recording the answers instead of trusting our memories. The three of us were doomed to failure, though. We ("Enemy" McLeod and "Jake" Jacobi were the muscle men and interviewers and I the scribe) had to give up for we failed to get anywhere fast as it takes more practice than any of us had to avert bnl sessions or drink and write at the same time or hold a place regardless at the bar — the odds overwhelmed us.

One point did result in spite of the handicaps — it seems no '34 will turn down \$15,000 as a yearly salary and vacation of three months a year with pay. The gang is much more modest as alumni and can be had.

So we three settled down to serious drinking, feeling quite satisfied with our accomplishment.

"Bud" Hammer, Bullard and Don Yates with their vegetable bouquets pro-

vided amusement for those not in line of fire and moment of diversion from the triumphs on the football field.

Judging from the numerous early arrivers Friday and the late leave-takers Sunday it must be the boys of '34 are getting on and are taking extended week-ends.

Thinking things over, I recall hearing that Ed Hower is really in line for something with Carnegie-Illinois Steel Co. Quite vividly, I also recall the justified remarks of Brooks Peters about no news these last two issues in our column of the BULLETIN. Sorry, gang, for that lapse, but I refuse to fill our space unless worthwhile news is available — until the Penn State game I had heard nothing even for a pretense at writing something.

Saw Reed Holt and the Mrs. and also Horsey Liggett at the Hotel Bethlehem Tap Room. In evidence most of the week-end were Chuck Morse, Hal Demarest, Bill Korn (the Greeting Card King) Arney Larsen, Ernie Issel and One Man Hotel Wrecker Leach. At the Club Saturday evening at least were Ben Bishop, Dick Lindabury and Tommy Green. Saw Walt Taylor having his ear pounded and Freddie Lambert holding a table in spite of the odds.

Logan Hill returned after a long absence for both the Penn State and Lafayette games. Homer Green and Dan Ivins occasionally tie one on in New York. Smoke Gordon still works for Gulf but no longer in Pittsburgh.

Class of 1935

*L. P. Struble, Jr., Correspondent
530 Academy St., Sewickley, Pa.*

Amidst the spirit of the approaching holidays and the anticipation of digging in on that traditional turkey, comes the suggestion that Bob Herrick is probably wondering when in the "H" is that monthly letter coming in from Struble.

It's too early to hear how many of us got back to the valley to see Lehigh keep Lafayette right where she belongs, but I do know that I envied all who were able to be there. We certainly must give Harmeson credit for pushing Lehigh back to where she belongs in the football world.

Ted Koranye wrote all the way from Endicott, N. Y., saying that he and Diar Clark, (E.E. '34) are doing their best to uphold Lehigh with about 25 other graduates from M. I. T., Purdue, Ohio State, etc. Ted is a student engineer, taking a two year course, after which he's to be a full fledged engineer for International Business Machine. Ted's address is 107 Filmore St., Endicott, N. Y.

"Mooney" Ambrnster dropped me a line saying that he is now with Pontiac Motor Co., making their "Silver Streak" streakier. "Moone's" address is 258 Orchard Lane Ave., Pontiac, Mich.

Unless some more of you get "on the ball," I'm afraid there won't be a column next time. So far I've received about six letters from you and it's tough to stretch them over the nine issues. What do you say fellows, how about a line or two be-

tween now and the next time? A penny post card will do the trick.

Class of 1936

*Robert B. Picking, Correspondent
Box 2067 Yale Station, New Haven, Conn.*

Whom should I run into here on the Yale campus not so long ago but Walt Finlay. He says that he is doing part-time graduate work and residing at 1912 Main St., Apt. A-14, Bridgeport, Conn. Walt said that he was going to drop in to see me, but, as yet, I have seen no trace of him — 119 College St. is the address for every last one of you. And, moreover, who should be sitting beside me in my classes but Dick Perrine; Bob Perrine's brother. Bob is working with National Tube in Lorain, Ohio.

Have a circular here that says: E. E. Krack — lost, but I hear he has been in Europe all summer — Germany at present. Berny Weiss was met in the Louvre in Paris by Fritz Bayer doing Europe on a bicycle.

I've been back to Bethlehem to see two football games, and I certainly picked the right week-ends — Penn State and Rutgers. I did not get back for the Lafayette game, and I am beginning to regret it now. Seen over the Penn State and Rutgers week-end, though, were the following who all promised to write to ye correspondent, but have forgotten to do so: Bob Couch, Riegel Paper Co., Riegelsville, N. J.; Tom Garihan, Devoe & Reynolds; Tom Gearhart, Bethlehem Steel, Bethlehem; "Swede" Hanson, Hercules Powder Co., Del. Trnst Bldg., Wilmington, Del.; "Red" Cooper, "Sid" Herbert, Bill Hoddinott, Bethlehem Steel, Bethlehem; "Willie" Lotz, Ray Lowright, Aldrich Pump Co., Allentown; Fred Pennington, Dave Samuels, Paul Settle, Lancey Thompson, Eastman Kodak Co.; Red Watkins and Ben Winship.

I am going to list a number of addresses below alphabetically in case anyone wishes to do some writing, and as the university has given me quite a number there will not be room for all. So a letter to me will probably get the address you want.

Bill AUSTIN, Wallace & Tiernan, Mill Road, Belleville, N. J.; John ADAMSON, Nolle Oil & Gas Corp., Owensboro, K. Y.; Marston H. BODEN, Ingersoll-Rand, 10 Broadway, New York City; C. O. PARTLETT, Westinghouse E. & M. Co., East Pittsburgh, Pa.; Bob CUSTER, Looper, Bethlehem Steel Co., Lackawanna, N. Y.; Ed DEIBERT, Medical Student, University of Pennsylvania; "Moose" ENGSTROM, Lt. U. S. Army, Fort Jay Governors Is., N. Y.; John FISHER, Mining Board Research Fellow, Carnegie Tech.; Jim HUYCK, Columbia Univ., College of Physicians and Surgeons, New York City; Dud HEALY, General Electric Co., Schenectady, N. Y.; Ivy LAWTON, Public Service E. & G. Co., Newark, N.J.; Reginald LENNA, Blackstone Mfg. Co., Jamestown, N. Y.; Sandy MANHEIMER, Douglas Aircraft Co., Santa Monica, Calif.; Paul NEIMAN, University of Michigan, Ann Arbor, Mich.; Bill NORDT, Egyptian Lacquer Mfg. Co., Jacobus Ave., S., Kearny, N. J. (More next month.)

PROFESSIONAL CARDS

ALEXANDER POTTER, '90

Consulting Engineer

Hydraulics, Sanitation, Concrete Structures

50 Church St., Telephone Cortlandt 7-3195 6-7
New York City

51 East 42nd St.

VISSCHER & BURLEY

Architects

J. L. Burley, '94

Rezin Davis Svend B. Sommer

New York City Singer Building 149 Broadway

WILLIAM C. MAYER, B.S., '15

LL.B. New York Law School

Counsellor at Law

Washington, D. C., 815-15th St., N.W.

WATSON, COIT, MORSE & GRINDLE

Attorneys at Law and Counselors in Patent Causes

Robert C. Watson, '13

Washington, D. C. 936 G Place, N.W.
National 1100

BALDWIN & WIGHT

Attorneys

Patents, Trade-Marks, and Copyrights
Donald M. Wight, '23

Cortland 7-1080, Cable: EQUIPPER-NY

COLLOID EQUIPMENT CO.

50 Church Street
New York City

A. T. Ward, '13

H. L. Bullock

JAMES H. PIERCE & COMPANY

ENGINEERS and MINE MANAGERS

A successful background in the practical solution of difficult engineering and managerial problems.

Reports—Valuations—Appraisals—Cost Analysis
Scranton Electric Building, Scranton, Pa.
Whitehall Building, New York, N. Y.

J. H. PIERCE, '10

FREDERIC MERCUR, '26

Insurance Counsellor

Dodson Bldg. Bethlehem, Pa.

State Mutual Life Assurance Company of Worcester, Mass.
Inc. 1844

Presented by

ARTHUR H. LOUX, '35
744 Broad Street

Newark, N. J. MARKET 3-2717

Back of it All

By Wm. A. Cornelius

This is the first opportunity your Executive Secretary has had to wish you all a Joyful Christmas and a Happy and Prosperous New Year.

Although he has been here in Bethlehem less than a year, he cannot help but relate how beautiful the campus really is. Each one of the four seasons sets off the campus in a different color. In the winter, your secretary has seen it mantled with snow and the trees glistening in the sunlight with myriads of ice crystals.

Next comes spring when the oaks are in bud, having tiny pink leaves, no larger than squirrels' ears; the trees and shrubbery are laden with blossoms of every shade and color.

With summer comes the heavy foliage and as the cooler days arrive, the maples turn a delicate pink, followed by the bright reds and gold of the leaves. Later the deep brown and bronze tints begin to appear and the ivy-clad walls become bright red.

DIRECTORY. Data for new Directory must soon go into the hands of the printer. The following is the information needed: Name and address of firm with which you are connected; residence address, and any degrees you may have gotten from other colleges. If you have not yet done so, or know of someone else who hasn't, be sure the information is sent us promptly.

Now, as he writes these lines, the crisp winter air has come with heavy frosts at night. One hears the swish of feet walking through the leaves, which scurry everywhere, as students hurry across the campus from one class to another.

It is hard to decide at what season of the year the campus is most beautiful. However, as President Williams says, the beauty of it all is the way Lehigh stands on edge for display "like a watchman on the mountain." A visit to the campus at any time is worthwhile, if only to gaze at its beauty.

The summer has been a busy one in the Alumni Office. The preparation for the Alumni Directory, which will be ready for distribution by June, was the biggest item. Many of the alumni dropped in for a chat and with them they brought prospective students.

Now we are started on a busy winter season. Clubs are holding dinners and smokers and planning their activities. Class agents are getting in touch with their class members and as you have seen in these columns, class correspondents are back on the job. The thought must come to all of us "Where do I come into the picture?"

As this item is being written, we have a larger number of paid-up members in the Alumni Association, the greatest number of subscribers to the BULLETIN and contributors to the Fund than ever before, as compared with the same period for previous years.

Am I one of the members? Are my dues paid? Have I subscribed to the BULLETIN and have I decided what is the best I can do towards the much-needed addition to the Chemical Laboratory? Am I doing my part in every way to the best of my ability? Ask yourself those questions.

There are nearly six hundred new faces on the campus, with over sixteen hundred in the student body, which is most encouraging. All will wish to keep the good work going on the upward trend for "nothing succeeds like success."

You all remember the article gotten out last year, headed "Where do we go from here?" in which was cited the growth of Lehigh University, the list of wonderful teachers, past and present, its outstanding alumni, etc. It called attention to the fact that the curve of Lehigh's growth had climbed steadily upward for the last 70 years but that it had begun to show a tendency to flatten down. Well, what happened? You know! Last year you started that curve upward. Jumped the fund subscription from \$18,601.52 in the previous campaign to \$50,000 last campaign; number of givers from 719 to 1140; number paying dues from 1587 to 1731 and from 1482 subscribers to the BULLETIN to 1888.

College is going in fine shape. The Alumni Association also started out with a bang.

So you see the curve of progress all around is decidedly on the upward grade. Self satisfaction is a dangerous thing and although we are most happy in what has and is being accomplished, we are not satisfied and *must keep* our success on the *upgrade*.

In visiting about at other colleges and universities and in his contact with the American Alumni Council, your Executive Secretary has discovered that practically all of the colleges have a gathering of alumni generally termed Homecoming Day, which is held in the fall. Your Executive Secretary brought up the question at the meeting brought up the question at the meeting of the Alumni Directors held Saturday morning, November 21, as to whether or not we should revive Alumni Homecoming Day. The Alumni Directors voted unanimously that next November 20, the day of the Lehigh - Lafayette game in Bethlehem, should be Alumni Homecoming Day.

DIRECTORY OF LEHIGH ALUMNI CLUBS

Bethlehem (Home Club), P. J. Ganey, '16, (P); L. J. Bray, '23, (S), 1920 Kenmore Ave.

Boston, A. D. Bach, '17, (P); H. Lewin, '26, (S), 17 Pleasant St., Malden, Mass.

Central New York, Gordon Kent, '07, (S), The Kent Co., Rome, N. Y.

Central Penna., Guy R. Johnson, '16, (P); Earl D. Schwartz, '22, (S), 533 Division St., Harrisburg, Pa.

Chicago, R. H. Potts, '22, (P); A. Lehr, '29, (S), Bethlehem Steel Co., Wrigley Bldg.

China, L. A. Fritchman, '18, (P); T. C. Yen, '01, (S), Ministry of Railways, Nanking, China.

Cincinnati, L. T. Rainey, '99, (P); W. S. Major, '24, (S), 801 Chamber of Commerce Bldg.

Detroit, R. J. Purdy, '28, (S), S. S. Kresge Co., 2727 2nd Blvd.

Maryland, Thomas King, '08, (P); W. E. Miller, Jr., '30, (S), 211 Hawthorne Rd., Roland Park, Baltimore, Md.

New York, L. E. Wilson, '14, (P); Wm. Wirt Mills, '87, (S), 30 Church St.

Northeast Penna., John A. Hart, '12, (P).

Northern New Jersey, J. H. Hunoval, '31, (P); H. F. Casselman, (S), 531 Turrell Ave., South Orange, N. J.

Northern Calif., R. H. Tucker, '79, (P); R. C. Moore, '27, (S), 705 Walla Vista Ave., Oakland, Calif.

Northern N. Y., J. C. Ryan, '01, (P); Nelson Coxe, (S), Colonial Apts., No. 310 N. Church St., Schenectady, N. Y.

Northern Ohio, B. M. Kent, '04, (P); J. C. Croxton, '27, (S), 2668 Berkshire Rd., Cleveland Heights, Ohio.

Philadelphia, N. E. Funk, '05, (P); Moriz Bernstein, '96, (S), 2130 Estaugh St.

Pittsburgh, Harry Eisenhart, '03, (P); E. Stotz, Jr., '20, (S), 801 Bessemer Bldg.

Pottstown, W. R. Bunting, '07, (S), 349 Highland Rd.

Southern New England, C. H. Veeder, '86, (P); J. W. Thurston, '96, (S), 168 N. Quaker Lane, Hartford, Conn.

Southeast Penna., O. V. Greene, '22, (P); George Potts, '24, (S), 536 Court St., Reading, Pa.

Southern Anthracite, H. R. Randall, '23, (P).

Southern Calif., Robert Campbell, '18, (P); A. D. Shonk, '27, (S), 904 Coronado Drive, Glendale, Calif.

Toledo, R. B. Thornburg, '27, (S), Surface Combustion Co., 2375 Dorr St.

Trenton, J. H. Pennington, '97, (P); E. L. Robinson, '24, (S), 201 Woodside Ave.

Washington, D. C., W. A. Draper, '07, (P); S. L. Gregg, '31, (S), 3614 Connecticut Ave., N. W.

Western New York, W. H. Hunton, '20, (P); G. B. Henry, '25, (S), 1208 Northland Ave., Buffalo, N. Y.

York, Pa., J. L. Rosemiller, '19, (P); S. H. Shipley, '22, (S), Country Club Road.

Youngstown, Ohio, W. F. McGarrity, '31, (S), 162 Upland Ave.



"ENTER"—says Enduro—and a sale is started

- Standing out smartly among its more commonplace neighbors, the modern store front of Enduro commands instant attention. And what attracts the eye attracts the buyer. The flashing beauty of this perfected stainless steel—on a store front, a headlamp, a streamlined train, or a frying pan—is tangibly reflected in the cash drawer. It is a profit-builder. Yet Enduro is only one of many famous Republic products. Toncan Iron—so generally used for culverts, roofing, siding, downspouts, and gutters, is an exclusive Republic product—used in thousands of places where rust-resistance is important. Because of its quality it is also widely used as enameling stock.

The famous family of Agathon alloys has been developed by Republic. So has the new Double-Strength Steel, for use where high tensile strength is required. Electric Weld Pipe, which has revolutionized pipe manufacture, was pioneered by Republic.

Through the development and marketing of these specialties, Republic is recognized as a world authority on alloys—and is their largest producer. At the same time, with a huge production of carbon steels, nuts, bolts, tin plate, bars, shapes, sheets, wire and die-rolled products, Republic has acquired an enviable reputation for the uniformity and high quality of its conventional tonnage products.



REPUBLIC STEEL CORPORATION
GENERAL OFFICES: REPUBLIC BUILDING, CLEVELAND, OHIO



Approximately forty cents out of every dollar that Republic Steel takes in, is redistributed in the form of wages among 49,789 employees in thirty-nine plants in twenty-seven different cities. These employees, with their immediate families, number close to 200,000 people, who through their individual purchases help to support thousands of others in their respective communities.

Steel
for every
purpose



BETHLEHEM STEEL COMPANY
GENERAL OFFICES: BETHLEHEM, PA.